

DOCUMENT RESUME

ED 239 356

EA 016 314

TITLE Washington State Public Common School Enrollment Forecasts for 1983-85 Biennium Budget.

INSTITUTION Washington State Office of Financial Management, Olympia.

PUB DATE Jan 83

NOTE 88p.; Some figures, tables, and appendixes will not reproduce due to small or blurred print.

PUB TYPE Statistical Data (110) -- Reports - Research/Technical (143)

EDRS PRICE MF01/PC04 Plus Postage.

DESCRIPTORS *Budgeting; Dropout Rate; Economic Change; Elementary Secondary Education; Employment Patterns; Enrollment Influences; *Enrollment Projections; *Enrollment Rate; Enrollment Trends; Population Trends; Private Schools; Public Schools; *School Demography; Tables (Data); *Trend Analysis

IDENTIFIERS *Washington

ABSTRACT

This four-section report prepared by the Washington State Office of Financial Management examines the 1983-85 biennium budget forecasts for public common schools, total population and student movement in relation to economic cycles (over the past 2 decades), trends in public and private school enrollment (over the past 2 decades), and school dropout trends (1952 to 1982). Section I considers factors influencing the downward revision of the forecasts, development of K-12 average annual FTE enrollment forecasts, and private school assumptions. Section II shows that net population movements into and out of Washington and economic growth have been cyclical over the past 2 decades. Section III, on trends in public and private school enrollment over the past 2 decades, examines total K-12 enrollment, public enrollment, private enrollment, distribution of enrollment in public and private schools, and other private school data. Section IV examines dropout indicators and trends, factors relating to dropout trends, and the impact of dropouts on estimating average annual enrollments in grades 9-12. Thirteen tables and 11 figures include data on enrollment, cohort change, and grade succession rates. Further tables and a figure appear in the appendix. (PB)

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WASHINGTON STATE PUBLIC COMMON SCHOOL ENROLLMENT FORECASTS

FOR 1983-85 BIENNIAL BUDGET

JOHN SPELLMAN GOVERNOR

ANNUAL RATES OF NET STUDENT CHANGE (GRADES 1-7 TO 2-8) AND NON-AGRICULTURAL WAGE & SALARY EMPLOYMENT CHANGE

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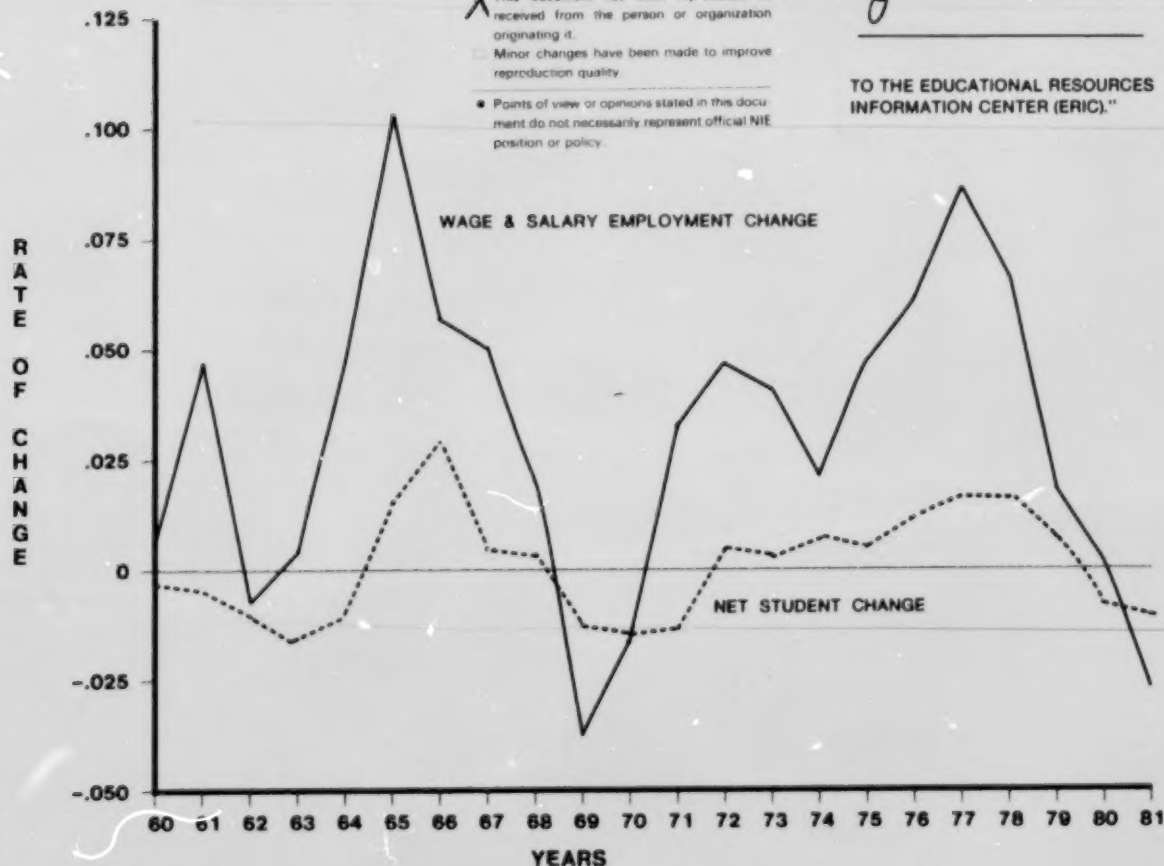
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OFFICE OF FINANCIAL MANAGEMENT
JANUARY 1983



STATE OF WASHINGTON

John Spellman, Governor

WASHINGTON STATE PUBLIC COMMON SCHOOL ENROLLMENT FORECASTS

FOR 1983-85 BIENNIUM BUDGET

**Prepared by
Office of Financial Management
Joe Taller, Director
Forecasting and Estimation Division**

**OLYMPIA
January 1983**

ENROLLMENT HIGHLIGHTS

- The 1982-83 forecast of K-12 average annual enrollment is 700,830, 4,910 below the forecast of 705,740 prepared in February of 1982.
- After schools closed in May of 1982 there was a net summer loss of over 4,200 students in grades 1-7. This loss was greater than expected and clearly indicates the impact of outmigration and the current recession on enrollment levels.
- While larger kindergarten and first grade enrollments will offset some of the enrollment decline due to outmigration, enrollment is expected to drop to 697,710 by 1984-85, a loss of 3,120 FTE from 1982-83.
- October headcount enrollment in private schools, K-12, has continued to show enrollment gains for the last eight years, increasing from 43,780 in 1973 to 59,538 in 1981--an increase of 36 percent. During the same period public enrollment dropped from 787,815 to 749,120, a loss of 38,695, or 4.9 percent.
- School dropouts, in terms of the annual percent change in grade cohorts as they proceed from 10th to 11th grade and 11th to 12th grade, have improved since 1952. It is 12th grade to graduation that shows a sharp deterioration in the retention of students. The continual increase in dropouts historically has gone from 6.9 percent in 1962, 8.9 percent in 1974, 14.0 percent in 1978 and nearly 17.0 percent in 1982.

TABLE OF CONTENTS

	<u>Page</u>
ENROLLMENT HIGHLIGHTS	i
SECTION I 1983-85 BIENNIAL BUDGET FORECASTS FOR PUBLIC COMMON SCHOOLS	1
I. Factors Influencing the Downward Revision of the Forecasts	1
II. Development of K-12 Average Annual FTE Enrollment Forecasts	2
III. Private School Assumptions	9
SECTION II TOTAL POPULATION AND STUDENT MOVEMENT--ECONOMIC CYCLES	15
SECTION III TRENDS IN PUBLIC AND PRIVATE SCHOOL ENROLLMENT	21
I. Total K-12 Enrollment	21
II. Public Enrollment	21
III. Private Enrollment	23
IV. Distribution of Enrollment in Public and Private Schools	27
V. Private School Data	31
SECTION IV SCHOOL DROPOUT TRENDS, 1952 to 1982	35
I. Dropout Indicators and Trends	35
II. Factors Relating to Dropout Trends	38
III. Impact of Dropouts on Estimating Average Annual Enrollments in Grades 9-12	41

LIST OF TABLES

<u>Table</u>		<u>Page</u>
1	Comparison of Average Annual FTE Budget Forecasts, State of Washington	10
2	Comparison of Average Annual FTE Enrollment to October FTE, Public Schools, State of Washington, 1972-73 to 1984-85	11
3	Tracking Net Change in Headcount Enrollment in Grades 1-7 through the School Year to their Enrollment in Grades 2-8 the Following Year, State of Washington, 1969-70 to 1981-82 ...	12
4	Public Common School October Headcount Enrollment, State of Washington, 1970-1984	13
5	Components of October Headcount Enrollment Change in Grades 1-12 and Average Annual FTE Enrollment, 1974-75 to 1984-85	14
6	Public and Private School Cohort Change, Grades 1-7 to 2-8, State of Washington, 1960-1982	18
7	Cohort Change Grades 1-7 to 2-8, Public and Private Schools Combined, State of Washington, 1970 to Present	19
8	Public and Private School Cohort Change, Grades 1-7 to 2-8 King County	25
9	October Headcount Enrollment, Private Schools, State of Washington, 1968-1981	33
10	An Indicator of Student Retention, Net Change in Enrollment Levels, 9th Grade to Graduation, State of Washington, 1952-1982	43

LIST OF TABLES (cont)

<u>Table</u>		<u>Page</u>
11	General Education Development (GED) Certificates and High School Diplomas and Certificates, State of Washington, 1971 to 1981	44
12	General Education Certificates Issued by Age of Recipient, State of Washington, 1966-1981	45
13	Average Annual FTE Enrollment as a Percent of October Enrollment, Public Schools, Grades 9-12, State of Washington, 1965-66 to 1981-82	46

APPENDIX TABLES

<u>Table</u>	<u>Page</u>
1 Ratios of October Headcount/September FTE Enrollment, State of Washington, 1967 to Present	49
2 Conversion Ratios Used to Develop Average Annual FTE Enrollment for Selected Grades, State of Washington, 1968 to Present	50
3 Full Time Equivalent Enrollments by Month for Grades 1-12, 1-8, 9-12, 7-8, in Public Common Schools, State of Washington, 1965-1966 to 1981-1982	53
4 Full Time Equivalent Enrollments as a Percent of October Enrollments by Month for Selected Grade Groups, Public Common Schools, State of Washington, 1965-1966 to 1981-1982	55
5 October Headcount Enrollment and Grade Succession Rates, Public Schools, State of Washington, 1952 to Present	57
6 October Headcount Enrollment and Grade Succession Rates, Private Schools, State of Washington, 1960 to Present	58
7 Cohort Change, Public Schools, Grades 1-7 to 2-8, by County, State of Washington, 1971 to Present	59
8 Cohort Change, Private Schools, Grades 1-7 to 2-8, by County State of Washington, 1970 to Present	63
9 Comparison of High School Graduates to High School Seniors, School Years 1964-65 to 1990-91	68

LIST OF FIGURES

<u>Figure</u>	<u>Page</u>
1 Elements of Enrollment Change, Public Schools, State of Washington	4
2 Public Common School Enrollment, Monthly FTE's as a Percent of October Enrollment for Selected Grade Groups	8
3 Annual Rates of Net Student Change (Grades 1-7 to 2-8) and Non-Agricultural Wage and Salary Employment Change	16
4 October Headcount Enrollment, Grades K-12, State of Washington	22
5 Annual Net Student Change, Grades 1-7 to 2-8, Public and Private Schools	24
6 October Headcount Enrollment in Public Schools, Selected Grade Groups	28
7 October Headcount Enrollment in Private Schools, Selected Grade Groups	29
8 Grade Succession Rates for Public Schools	36
9 Grade Succession Rates for Private Schools	37
10 General Education Certificates by Age of Recipient	39
11 Comparison of Non-Graduating 12th Grade Enrollment and GED and Diploma Recipients	40

LIST OF FIGURES (cont)

(Appendix)

Page

1	Comparison of Livebirths (6 years prior) to Entrances to First Grade, State of Washington, 1959-Present	67
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SECTION I

1983-85 Biennium Budget Forecasts For Public Common Schools

Average annual full-time equivalent enrollment forecasts for 1982-83 to 1984-85 are presented in Table 1 and Table 2. This forecast is based on actual 1982 October enrollment. The 1982-83 forecast for K-12, including ancillary students is 700,830, 4,910 below the forecast of 705,740 prepared in February of 1982.

The revised forecast for 1983-84 is 696,210, 8,830 lower than the February forecast. The 1984-85 forecast is now 697,710, or 14,330 below the prior figure.

Basic factors influencing the downward revisions in the new forecast series, development of the forecasts, and forecast assumptions are discussed in the following sections.

I. Factors Influencing the Downward Revision of the Forecasts

After schools closed in May of 1982 there was a net summer loss of over 4,200 students in grades 1-7 (Table 3). This loss was greater than expected and clearly indicates the impact of the current recession in terms of population movement out of the State.

General economic assumptions for the 1982-85 period are for a continuation of the current recession in terms of employment and income through 1983, and slow, but continued improvement through 1985. During this period state population growth will be sustained by natural increase (births less deaths). Annual growth is expected to be about .5 percent per year.

Revised State migration assumptions used in preparing the 1983-85 budget common school forecasts are compared to the migration assumptions used in the February 1982 enrollment forecasts below:

State Net Migration Assumptions

<u>School Year</u>	<u>February 1982 Migration Assumptions</u>	<u>October 1982 Migration Assumptions</u>	<u>Difference</u>
1981-82	-900	-900	-
1982-83	-13,000	-16,000	-3,000
1983-84	-5,000	-16,000	-11,000
1984-85	8,000	-8,000	-16,000
<u>1981-85</u>	<u>-10,900</u>	<u>-40,900</u>	<u>-30,000</u>

The increased levels of outmigration will reduce enrollment levels as families move out of the state seeking employment opportunities. Most of the impact is expected in the primary grades as younger families have high rates of mobility and are most responsive to economic conditions. While larger kindergarten and first grade enrollments will offset some of the enrollment decline due to outmigration, average annual FTE enrollment for K-12, is expected to drop by 3,120 FTE's between school year 1982-83 and 1984-85.

II. Development of K-12 Average Annual FTE Enrollment Forecasts.

Average annual FTE enrollment forecasts are needed for budget allocations. These forecasts are developed in two phases:

- A. Development of October headcount enrollment forecasts by grade, and
- B. Conversion of October headcount forecasts to average annual FTE enrollments for selected grade groups.

A. October Headcount Enrollment Forecasts

October headcount enrollment forecasts are developed using a "cohort succession model." In this model, forecasts are developed by "surviving" students from a lower grade to the next higher grade.

Historical trends are used to develop birth to kindergarten, and grade to grade "survival" (succession) rates. Enrollment in each grade is then moved annually through successive grades in accord with forecasted succession rates to obtain forecasts of annual enrollment, by grade, for each year in the forecast period. Succession rates capture all of the basic components of enrollment change shown in Figure 1: births, deaths, migration, and dropouts. All components of enrollment change must be considered for accurate forecasts, but current migration levels, dropout trends or public-private crossover patterns can be highly variable on a short term basis and are given special consideration in short term budget forecasts.

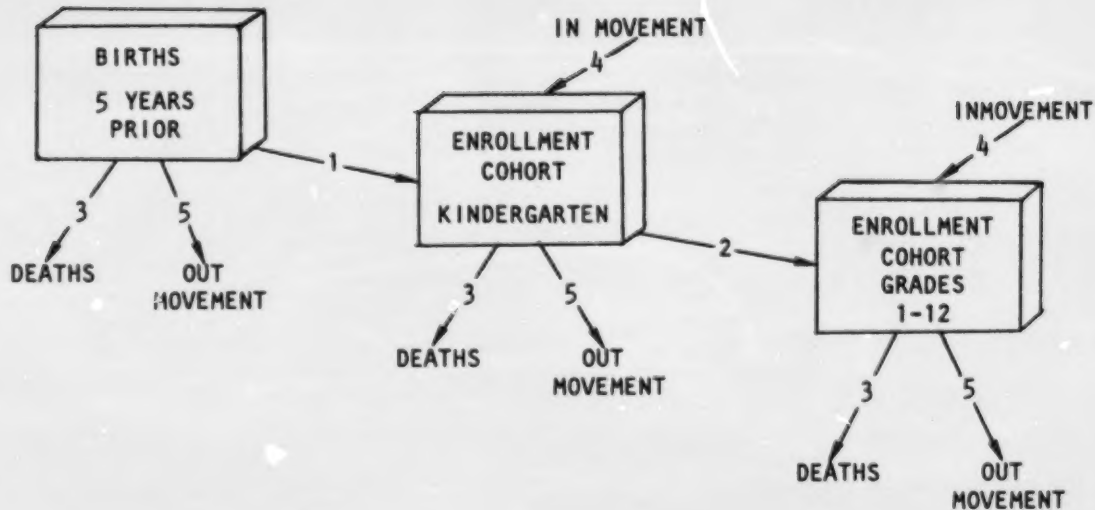
October headcount enrollment is used in forecasting because it provides a consistent series of annual enrollments that relate well to population change and will not be influenced by any definitional changes in full-time equivalent students or monthly dropout patterns at higher grade levels.

October headcount enrollment, 1982, provided the base for the current forecasts. Headcount forecasts are provided in Table 4. Annual enrollment change for selected grades and grade groups are shown in Table 5 and discussed below.

1. Kindergarten and 1st Grade Enrollment

The substantial increase in the annual number of children born in Washington since 1976 are now beginning to impact enrollment levels in the early grades. Kindergarten enrollment increased from 51,970 in 1981 to 55,197 in 1982 and is expected to reach 58,800 by 1984. First grade enrollment, which ranged around 54,500 for the past

FIGURE 1
ELEMENTS OF ENROLLMENT CHANGE
PUBLIC SCHOOL, STATE OF WASHINGTON



Assumption:

1. Students enter the system as a result of being born in the State (attendance area) five years prior and have not changed residence. (Arrow 1)
2. Enrollment cohorts grades 1 through 12 are the result of students succeeding from prior grades, 'output'. (Arrow 2)
3. Change in enrollment cohorts, or prospective enrollment cohorts as they succeed from grade to grade is due to:
 - a. Deaths. Students or prospective students in the birth cohort leave the system because they die. (Arrow 3)
 - b. Inmovement. (Arrow 4)
 - 1) Students born or attending prior grades in another state have now moved into the State and entered the public system.
 - 2) Students attending prior grades in the private school system now transfer to the public system.
 - 3) Students retained and do not succeed to the next higher grade.
 - c. Outmovement. (Arrow 5)
 - 1) Students or prospective students in the birth cohort leave the system because they move to another state.
 - 2) Students leave the system to enter the private school system.
 - 3) Students leave the system as school 'dropouts' prior to completing the 12th grade.
 - 4) Students retained that do not succeed to the following grade.

several years, is forecasted at 58,200 for 1983 and 1984. This represents an increase of about 3,500 students entering first grade.

While early grade levels are expected to increase, the "succession rates" for children born five year prior to their enrollment in kindergarten, or six years prior to their enrollment in 1st grade, have been declining and are expected to continue to decline. The kindergarten rate declined from 1.01 in 1980 to .96 by 1982 and is expected to reach .91 by 1984. The first grade rate dropped from 1.09 in 1980 to 1.03 by 1982 and is expected to decline to .99 by 1984.

In sum, the potential impact of the increasing birth levels in the State on enrollment in the state has been moderated by the net out-migration of families with young children.

2. Annual Change Grades 1-7 to 2-8

Annual change in the number of students enrolled in grades 1-7 compared to the number of students enrolling in grades 2-8 the following year, clearly reflect Washington's economic conditions and the net movement of families into or out of the State. Table 5 shows that during the State's peak economic expansion period, 1979-80, there was a net gain of over 7,000 in grades 2-8 compared to enrollment in grades 1-7 the prior year. In October of 1982, there were 396,081 students enrolled in grades 2-8, compared to an enrollment of 401,199 enrolled in grades 1-7 the prior year--a net loss of 5,118 (Table 5). Annual losses for these grades are expected to remain high for 1982-83 (-4,122) but moderate in 1983-84 (-1,900) as the economy begins to improve.

3. Annual Change Grades 8-11 to 9-12

Grades 9-12 typically show student losses on a annual basis due to dropouts. Net annual change in the number of student succeeding from grades 8-11 to 9-12 the following year was -3,933 in 1982 and is

forecasted -3,106 for 1983 and -2,900 for 1984. Losses are expected to decrease over the forecast period mainly due to an increase in private to public crossover in the ninth grade. The 8th to 9th grade succession rate usually ranges from 1.022 to 1.024. This rate increased from 1.023 in 1980 to 1.029 in 1981, to 1.038 in 1982 (Appendix Table 5). The private to public cross over at the ninth grade level has probably increased due to increased enrollment levels in private schools (there are more students to cross-over) and because some families can no longer afford private school tuition during economically tight conditions.

B. Conversion of October Headcount Forecasts to Average Annual Full-Time Equivalent (FTE) Enrollment Forecasts.

1. October headcount enrollment for each of the forecast years is converted to October FTE enrollment on the basis of the current school year October FTE/headcount ratios. Historical and current ratios, 1968-69 to 1981-82, are in Appendix Table 2. Ratios of October FTE to headcount are very consistent over time.
2. Patterns of October to May monthly enrollment change are used to convert October FTE enrollment to average annual FTE enrollment for each forecasted year.

Figure 2 shows the patterns of October to May enrollment change used in the current forecast to convert October FTE enrollment to average annual enrollment for selected grade groups. Selected patterns for prior years are also presented to provide an historical perspective. These patterns are discussed below.

Kindergarten to 12th Grade

Monthly FTE enrollment patterns in grades K-12 typically fall below October. This pattern is very similar to the 9-12 reflecting the influence of the large monthly student declines in grades 9-12.

Grade 1-8, 1-6, 7-8

Monthly enrollments in grades 1-8 increase compared to October during periods of immigration and decrease in periods of outmigration. The net immigration during the 1980-81 school year is reflected by monthly increases in enrollment levels throughout the school year. The state experienced a net immigration of about 60,000 between 1980 and 1981. The 1971-72 and 1981-82 patterns reflect the monthly net enrollment losses due to the net movement of families out of the State. The 1981-82 pattern of monthly enrollment decline for the 1-8 grade group is assumed to continue for the 1982-83 school year. The magnitude of the forecasted monthly declines for 1981-82 and 1982-83 approximate that which occurred during the Boeing recession of the early 1970's. Net outmigration is expected to continue through the 1983-84 and 1984-85 school years, but monthly enrollment losses are not expected to be as great.

It should be noted, however, that the current recession, of national scope, represents a very different economic picture than the sharp decline in Boeing aerospace employment that caused a recession in Washington in the early 1970's.

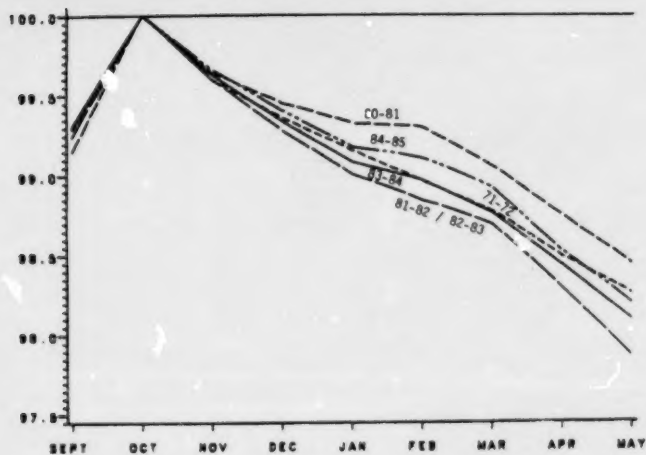
Monthly enrollment patterns are shown separately for grades 1-6 and 7-8. Grades 7-8 showed an unprecedented drop during the 1981-82 school year. This decline may be due to an increase in the number of dropouts in these grade groups and greater student losses due to higher mobility rates for 30-34 year old family heads. Preliminary analyses does support increasing migration rates for 30-34 year olds. The 7-8 monthly fall off pattern is assumed to remain stable for 1982-83 but show slight improvement in 1983-84 and 1984-85.

Grades 9-12

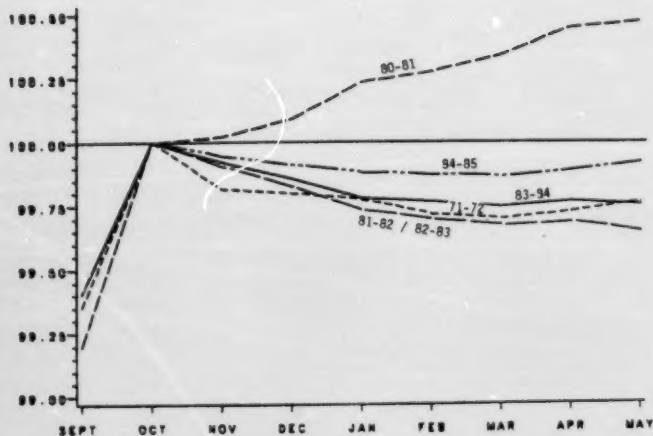
Grades 9-12 show steep monthly declines due to dropouts, half day attendance of juniors and seniors approaching graduation and graduation during the school year. While monthly student losses decreased

FIGURE 2
PUBLIC COMMON SCHOOL ENROLLMENT
MONTHLY FTES AS A PERCENT OF OCTOBER ENROLLMENT
FOR SELECTED GRADES AND YEARS

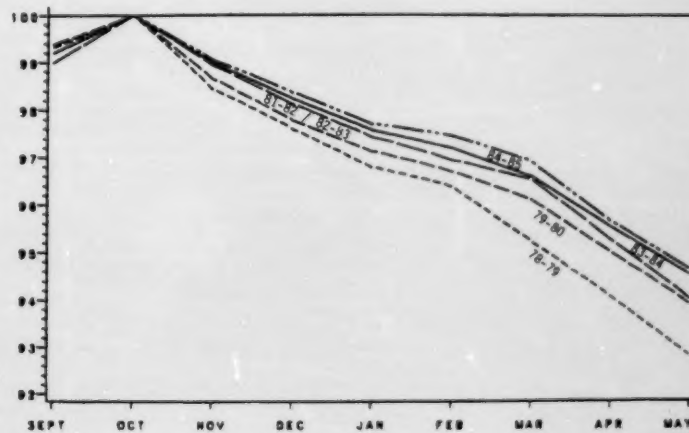
GRADES K - 12



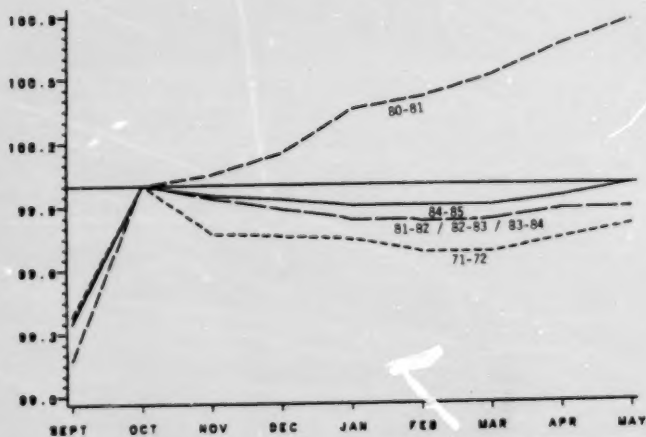
GRADES 1 - 6



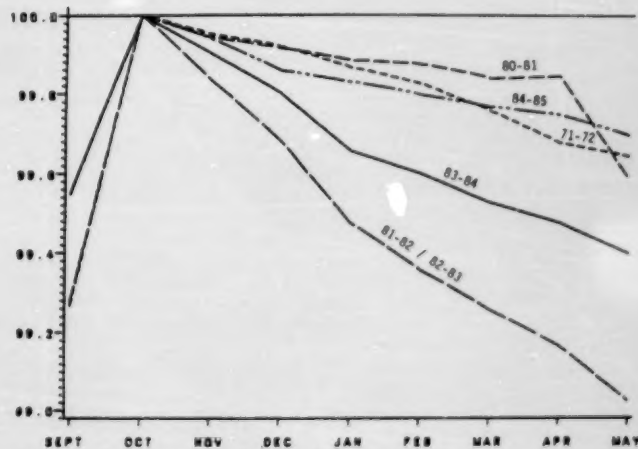
GRADES 9 - 12



GRADES 1-6



GRADES 7 - 8



In 1979-80 and 1980-81 the pattern stabilized in 1981-82. The pattern is assumed to remain stable for the 1982-83 period and show slight, but continued, improvement for 1983-84 and 1984-85.

III. Private School Assumptions

October 1982 private school enrollment will be available in the spring, 1983. The 1983-85 budget forecasts were prepared without the benefit of current private school data, but it is assumed private school enrollment will generally remain stable over the forecast period. With the exception of an increase of about 400 to 500 students entering public school ninth grade each year, no major private to public crossover is expected (Trends in public and private school enrollment are presented in Section III).

TABLE 1
COMPARISON OF AVERAGE ANNUAL FTE BUDGET FORECASTS
STATE OF WASHINGTON

1. 1981-83 BIENNIUM BUDGET FORECAST - Developed October 1980

	1980-81			1981-82			1982-83		
	Estimate ¹	Actual	Difference	Forecast	Actual	Difference	Forecast	Actual	Difference
K	25,780	25,738	-42	26,900	26,051	-849	28,400		
1-6	347,070	346,926	-144	342,900	338,824	-4,076	338,000		
7-8	116,950	116,788	-162	121,100	119,828	-1,272	126,600		
1-8	464,020	463,714	-306	464,000	458,652	-5,348	464,600		
9-12	232,610	233,164	554	227,200	228,061	861	223,500		
1-12	696,630	696,878	248	691,200	686,713	-4,487	688,100		
K-12	722,410	722,616	206	718,100	712,764	-5,336	716,500		
ANCILLARY STUDENTS (PRI SCHS) ¹	120	133	13	120	108	-12	120		
TOTAL	722,530	722,749	219	718,220	712,872	-5,348	716,620		

2. UPDATE OF 1981-83 BIENNIUM BUDGET FORECAST - Developed October 1981

	1981-82			1982-83		
	Estimate ¹	Actual	Difference	Forecast	Actual	Difference
K	26,200	26,051	-149	28,000		
1-6	340,200	338,824	-1,376	333,200		
7-8	120,200	119,828	-372	126,000		
1-8	460,400	458,652	-1,748	459,200		
9-12	228,800	228,061	-739	225,900		
1-12	689,200	686,713	-2,487	685,100		
K-12	715,400	712,764	-2,636	713,100		
ANCILLARY STUDENTS (PRI SCHS) ¹	140	108	-32	140		
TOTAL	715,540	712,872	-2,668	713,240		

3. FEBRUARY 1982 TRACKING OF UPDATED 1981-83 BIENNIUM BUDGET FORECASTS
WITH ADDITIONAL FORECASTS TO 1984-85
-Developed February 1982 From October 1981 Base

	1981-82			1982-83			1983-84			1984-85		
	Feb 1980 Revised Est. ²	Actual	Diff.	Feb 1980 Forecast	Actual	Diff.	Feb 1980 Forecast	Actual	Diff.	Feb 1980 Forecast	Actual	Diff.
K	26,050	26,051	1	27,900			28,300			30,700		
1-6	338,890	338,824	-66	328,300			324,800			330,000		
7-8	119,920	119,828	-92	124,800			125,400			118,000		
1-8	458,810	458,652	-158	453,100			450,200			448,000		
9-12	228,150	228,061	-89	224,600			226,400			233,200		
1-12	686,960	686,713	-247	677,700			676,600			681,200		
K-12	713,010	712,764	-246	705,600			704,900			711,900		
ANCILLARY STUDENTS (PRI SCHS) ¹	140	108	-32	140			140			140		
TOTAL	713,150	712,872	-278	705,740			705,040			712,040		

4. 1983-85 BIENNIUM BUDGET FORECAST - Developed October 1982

	1982-83			1983-84			1984-85		
	Feb 1982 Forecast	Estimate ³	Diff.	Feb 1982 Forecast	Forecast	Diff.	Feb 1982 Forecast	Forecast	Diff.
K	27,900	27,680	-220	28,300	27,800	-500	30,700	29,600	-1,100
1-6	328,300	325,620	-2,680	324,800	319,100	-5,700	330,000	320,400	-9,600
7-8	124,800	123,820	-980	125,400	123,600	-1,800	118,000	116,000	-2,000
1-8	453,100	449,440	-3,660	450,200	442,700	-7,500	448,000	436,400	-11,600
9-12	224,600	223,600	-1,000	226,400	225,600	-800	233,200	231,600	-1,600
1-12	677,700	673,040	-4,660	676,600	668,300	-8,300	681,200	668,000	-13,200
K-12	705,600	700,720	-4,880	704,900	696,100	-8,800	711,900	697,600	-14,300
ANCILLARY STUDENTS (PRI SCHS) ¹	140	110	-30	140	110	-30	140	110	-30
TOTAL	705,740	700,830	-4,910	705,040	696,210	-8,830	712,040	697,710	-14,330

¹Students in private schools contracted for public instruction on an hourly basis.

²Developed using actual October 1980 enrollment data.

³Developed using actual October 1981 enrollment data.

⁴Developed using actual monthly enrollments October 1981 thru February 1982.

⁵Developed using actual October 1982 enrollment data.

TABLE 2
COMPARISON OF AVERAGE ANNUAL FTE ENROLLMENT TO OCTOBER FTE¹
PUBLIC SCHOOLS
STATE OF WASHINGTON
1972-73 TO 1984-85

GRADE	1972-73 Actual			1973-74 Actual			1974-75 Actual		
	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE ²	Ratio
K	24,648	24,553	1.0039	25,195	25,152	1.0017	27,806	27,633	1.0063
1-6	363,657	363,581	1.0002	355,147	355,011	1.0004	345,342	344,867	1.0014
7-12	371,064	376,981	.9843	375,743	382,153	.9832	376,909	382,977	.9842
1-8	492,826	492,973	.9997	487,152	487,120	1.0001	478,178	477,803	1.0008
9-12	241,895	247,589	.9770	243,738	250,044	.9748	244,073	250,041	.9761
1-12	734,721	740,562	.9921	730,890	737,164	.9915	722,251	727,844	.9923
K-12	759,369	765,115	.9925	756,085	762,316	.9918	750,057	755,477	.9928
GRADE	1975-76 Actual			1976-77 Actual			1977-78 Actual		
	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio
K	28,694	28,561	1.0047	28,039	27,872	1.0060	25,433	25,392	1.0016
1-6	341,287	341,149	1.0004	340,101	339,522	1.0017	344,846	343,854	1.0029
7-12	378,125	384,844	.9825	376,223	383,187	.9818	371,806	379,205	.9805
1-8	472,396	472,433	.9999	467,786	467,252	1.0011	467,665	466,869	1.0017
9-12	247,016	253,560	.9742	248,538	255,457	.9729	248,987	256,190	.9719
1-12	719,412	725,993	.9909	716,324	722,709	.9912	716,652	723,059	.9911
K-12	748,106	754,554	.9915	744,363	750,581	.9917	742,085	748,451	.9915
GRADE	1978-79 Actual			1979-80 Actual			1980-81 Actual		
	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio
K	25,037	24,810	1.0091	25,552	25,389	1.0064	25,738	25,552	1.0073
1-6	347,217	345,922	1.0037	348,591	347,629	1.0028	346,926	346,134	1.0023
7-8	117,214	117,412	.9983	115,733	115,870	.9988	116,788	117,027	.9980
1-8	464,431	463,334	1.0024	464,324	463,499	1.0018	463,714	463,161	1.0012
9-12	245,449	253,727	.9674	239,574	246,518	.9718	233,164	239,482	.9736
1-12	709,880	717,061	.9900	703,898	710,017	.9914	696,878	702,643	.9918
K-12	734,917	741,871	.9906	729,450	735,406	.9919	722,616	728,195	.9923
GRADE	1981-82 Actual			1982-83 Forecasts ³			1983-84 Forecast		
	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio	Ann. Av.	Oct. FTE	Ratio
K	26,050	25,987	1.0024	27,680	27,600	1.0029	27,800	27,700	1.0036
1-6	338,825	339,441	.9982	325,620	326,188	.9983	319,100	319,680	.9982
7-8	119,828	120,503	.9944	123,820	124,467	.9948	123,600	123,980	.9969
1-8	458,652	459,945	.9972	449,440	450,655	.9973	442,700	443,660	.9978
9-12	228,061	234,274	.9735	223,600	229,665	.9736	225,600	231,270	.9755
1-12	686,713	694,218	.9892	673,040	680,320	.9893	668,300	674,930	.9902
K-12	712,764	720,205	.9897	700,720	707,920	.9898	696,100	702,630	.9907
GRADE	1984-85 Forecast								
	Ann. Av.	Oct. FTE	Ratio						
K	29,600	29,400	1.0068						
1-6	320,400	320,780	.9988						
7-8	116,000	116,280	.9976						
1-8	436,400	437,060	.9985						
9-12	231,600	237,190	.9764						
1-12	668,000	674,250	.9907						
K-12	697,600	703,650	.9914						

¹Enrollment figures do not include ancillary students in private schools; these are individual students in private schools contracted for public instruction on an hourly basis.

²October data corrected for audit of full-time equivalent students in grades 9-12.

³Average annual enrollment developed using Actual Fall 1982 enrollment data.

TABLE 3
TRACKING NET CHANGE IN HEADCOUNT ENROLLMENT IN
GRADES 1-7 THROUGH THE SCHOOL YEAR TO
THEIR ENROLLMENT IN GRADES 2-8 THE FOLLOWING YEAR¹
STATE OF WASHINGTON
1969-70 to 1981-82

SCHOOL YEAR	OCTOBER ENROLLMENT GRADES 1-7	MAY ENROLLMENT GRADES 1-7	NET CHANGE OCT. TO MAY	OCTOBER	OCTOBER ENROLLMENT GRADES 2-8	NET CHANGE MAY TO OCT	NET CHANGE OCT. TO OCT
	(1)	(2)	(3) (2) - (1)		(4)	(5) = (4) - (2)	(6) = (4) - (1)
12 1969-70	459,998	458,943*	-1,055	1970	456,273	-2,670	-3,725
1970-71	454,874	453,811*	-1,063	1971	449,470	-4,341	-5,404
1971-72	443,018	442,279*	-739	1972	438,232	-4,047	-4,786
1972-73	428,758	430,890*	2,132	1973	431,659	769	2,901
1973-74	421,388	423,167*	1,779	1974	422,314	-853	926
1974-75	411,122	413,675*	2,553	1975	413,575	-100	2,453
1975-76	405,900	407,740*	1,840	1976	406,655	-1,085	755
1976-77	402,322	405,210*	2,888	1977	406,978	1,768	4,656
1977-78	403,277	406,887	3,610	1978	408,789	1,902	5,512
1978-79	402,935	406,964	4,029	1979	409,947	2,983	7,012
1979-80	405,705	409,459	3,754	1980	408,541	-918	2,836
1980-81	404,916	407,525	2,609	1981	405,291	-2,234	375
1981-82	401,199	400,304	-895	1982	396,081 ²	-4,223	-5,118

*Fulltime equivalent enrollment used as headcount data was not available

¹End of school year corrected data unless otherwise stated.

²Original October headcount data.

TABLE 4

PUBLIC COMMON SCHOOL
OCTOBER HEADCOUNT ENROLLMENT¹
STATE OF WASHINGTON

1970-1984

Grade	ACTUAL													FORECAST	
	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
K ²	52,784	48,946	49,109	50,179	55,111	56,998	55,568	50,673	49,615	50,774	51,091	51,970	55,197	55,400	58,800
1	63,824	58,380	54,909	55,518	55,574	58,865	60,628	59,937	54,599	53,603	54,707	54,713	54,618	58,200	58,200
2	63,952	60,905	56,126	53,631	53,918	54,358	57,286	59,837	59,069	54,227	52,369	52,782	52,121	52,100	56,000
3	65,849	63,111	60,271	56,540	53,778	54,177	54,409	57,869	60,558	60,246	54,781	52,400	51,826	51,300	51,900
4	66,123	65,052	62,390	60,675	56,762	54,190	54,436	55,313	58,721	61,788	60,800	55,165	51,970	51,600	51,300
5	65,297	65,848	64,337	63,180	61,120	57,389	54,793	55,259	56,503	59,909	62,616	61,087	54,748	51,800	51,600
6	64,789	65,159	65,650	65,479	63,744	62,170	57,979	55,660	56,495	57,880	60,883	63,314	60,926	54,700	51,800
7	65,040	64,680	65,075	66,365	66,226	64,751	62,791	59,402	56,990	58,052	58,760	61,738	63,413	61,100	55,100
8	65,223	64,832	64,383	65,789	66,766	66,540	64,961	63,638	60,453	57,845	58,332	58,805	61,077	62,900	61,200
9	65,256	65,968	65,343	65,757	66,991	68,264	67,961	66,481	65,207	61,788	59,165	60,024	61,030	63,400	65,100
10	63,807	64,934	65,567	65,524	65,936	66,825	67,440	67,770	66,074	64,618	61,430	58,918	59,068	60,400	63,100
11	60,298	60,851	61,455	62,247	62,084	62,639	63,471	64,650	64,302	62,929	62,069	58,861	56,231	56,500	57,900
12	55,460	56,383	55,887	56,931	56,906	57,605	58,357	59,405	60,662	60,089	59,569	59,343	56,346	54,000	54,200
1- 6	389,834	378,455	363,683	355,023	344,896	341,149	339,531	343,875	345,945	347,653	346,156	339,461	326,209	319,700	320,800
7-12	375,094	377,648	377,710	382,613	384,909	386,624	384,981	381,346	373,688	365,321	359,325	357,689	357,165	358,300	356,600
1- 8	520,097	507,967	493,141	487,177	477,888	472,440	467,283	466,915	463,388	463,550	463,248	460,004	450,699	443,700	437,100
9-12	244,831	248,136	248,252	250,459	251,917	255,333	257,229	258,306	256,245	249,424	242,233	237,146	232,675	234,300	240,300
1-12	764,928	756,103	741,393	737,636	729,805	727,773	724,512	725,221	719,633	712,974	705,481	697,150	683,374	678,000	677,400
K-12	817,712	805,049	790,502	787,815	784,916	784,771	780,080	775,894	769,248	763,748	756,572	749,120	738,571	733,400	736,200

¹Enrollment does not include ancillary students, students in private schools contracted for public instruction on an hourly basis, or preschool handicapped

²Kindergarten enrollment excludes preschool handicapped students from 1973 forward when separate reporting of preschool handicapped was initiated.

OFM/F&E/P-213
11/82

TABLE 5
COMPONENTS OF OCTOBER HEADCOUNT ENROLLMENT CHANGE GRADES 1-12
AND AVERAGE ANNUAL FTE ENROLLMENT
1974-75 to 1984-85

SCHOOL ENROLLMENT YEAR	Actual									Forecast	
	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85
1. State Net Immigration ¹		45,800	55,400	93,900	113,000	118,500	57,500	-900	-16,000	-16,000	-8,000
2. Entrances to 1st Grade		58,865	60,628	59,937	54,599	53,603	54,707	54,713	54,618	58,200	58,200
Births 6 years prior		59,354	60,499	55,304	48,250	47,636	50,096	50,821	53,004	57,256	58,725
1st Grade/Births ratio		.9918	1.0021	1.0838	1.1316	1.1253	1.0920	1.0766	1.0305	1.0165	.9911
3. Net Student Change (In-outmigration) Grades 1-7 to 2-8		2,453	755	4,656	5,512	7,012	2,836	375	-5,118	-4,122	-1,900
4. Net Student Loss (dropouts) Grades 8-11 to 9-12		-6,444	-7,039	-5,527	-6,294	-6,612	-4,947	-3,850	-3,933	-3,106	-2,900
5. Net Enrollment Change Grades 1-11 to 2-12		-3,991	-6,284	-871	-782	400	-2,111	-3,475	-9,051	-7,228	-4,800
6. 12th Grade Exits		56,906	57,605	58,357	59,405	60,662	60,089	59,569	59,343	56,346	54,000
7. Headcount Enrollment in Grades 1-12	729,805	727,773	724,512	725,221	719,633	712,974	705,481	697,150	683,374	678,000	677,400
8. Kindergarten Enrollment ²	55,111	56,998	55,568	50,673	49,615	50,774	51,091	51,970	55,197	55,400	58,800
Births 5 years prior	59,354	60,499	55,304	48,250	47,636	50,096	50,821	53,004	57,256	58,725	64,377
Kindergarten/Births ratio	.9285	.9421	1.0048	1.0502	1.0415	1.0135	1.0053	.9805	.9640	.9434	.9134
9. Total Headcount Enrollment in Grades K-12	784,916	784,771	780,080	775,894	769,248	763,748	756,572	749,120	738,571	733,400	736,200
10. Total Annual Average FTE Enrollment	750,057	748,106	744,363	742,085	734,917	729,450	722,616	712,764	700,720 ³	696,100	697,600
11. Average Annual FTE/Headcount Ratio	.9556	.9533	.9542	.9564	.9554	.9551	.9551	.9515	.9488	.9491	.9476

¹Net Immigration for the April to April period corresponding to the appropriate school year.

²Kindergarten enrollment is not included in the components of change since kindergarten is not mandatory and grades 1 to 8 relate better to total state migration.

³Forecast on the basis of October enrollment.

Section II

Total Population and Student Movement--Economic Cycles

For the past two decades net population movements into and out of the State and economic growth have been cyclical. Annual student movement for the 1960 to 1980 period can be tracked by calculating the net change in the number of students enrolled in grades 2 to 8 each fall with the number enrolled in grades 1 to 7 the prior year (Table 6). The resulting net annual change value represents school migration into or out of the State.

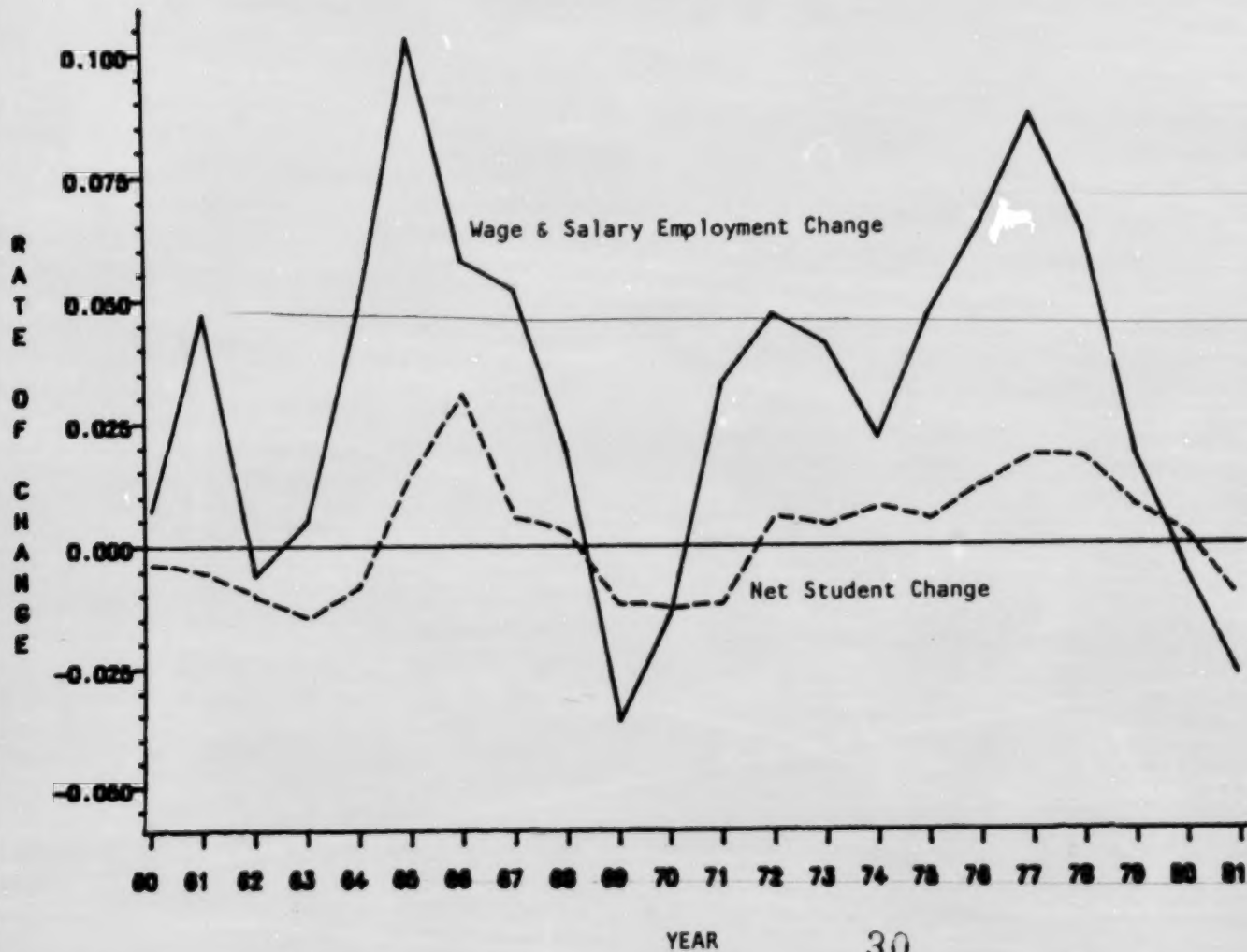
Grades 1 to 8 are used to track student movement because enrollment levels in higher grades are subject to change due to dropouts. The pattern of net student movement shown in Table 6 clearly shows the cyclical pattern of student movement corresponding to the periods of rapid economic expansion or decline in the State. Note, for example, the large net student loss from 1960-65 and 1969-72 associated with economic recessions in Washington. Peak expansion periods, from 1965-67 and from 1977-79 are also reflected by large net student gains.

Figure 3 compares the annual percent change in wage and salary employment (as an indicator of economic growth) and annual net student change (migration) from 1960 to 1981. Although the annual percent change in employment is considerably more variable than student movement, trends over the two decades presented are remarkably similar and show the impact of the State's economy on student movement.

Specific growth areas in the State can be identified by examining the pattern of net student movement by county summarized in Table 7 for public and private schools combined. During the economic recovery of mid-1970's which was associated with a State gain of 5,190 students for 1976-77, 7,910 for 1977-78 and 7,688 for 1978-79, King and Snohomish counties experienced the most remarkable change in student movement. King, which had a net loss of -771 students for 1975-76, gained 524 for 1976-77, 1,129 for 1977-78,

FIGURE 3

ANNUAL RATES OF NET STUDENT CHANGE (GRADES 1-7 TO 2-8)
AND NON-AGRICULTURAL WAGE & SALARY EMPLOYMENT CHANGE



and continued to show strong net gain through 1980. Net student movement for Snohomish shows a similar pattern, with a net loss of -204 for 1975-76, a gain of 701 for 1976-77 and net gains of 1,000 or more annually through 1980. Pierce county also shows net gains of over 900 students for both 1977-78 and 1978-79. Benton, Clark, Kitsap and Spokane have net annual gains of from 500 to 600 for the same period. Thurston county shows a strong net immigration of students since the early 1970's, generally increasing during the peak 1977-79 expansion period. In sum, all of the urban areas of the State showed strong growth for the 1977-79 expansion period, with the largest net gains occurring in King, Pierce, Snohomish and Clark counties.

By the fall of 1982 the State slumped into another sharp recession with a loss of -5,118 students at the state level. Thirty-one (31) of the 39 counties showed net student losses. The largest net student losses are for Pierce (-965), Benton (-875), King (-695), Spokane (-691) and Yakima (-351) counties. Clallam, Cowlitz, Franklin and Grays Harbor showed losses of 200 to 300. Even Clark and Thurston counties, which had notably strong consistent growth throughout the 1970-80 decade, showed declines in the 1980's. Clark's net gains of 700 to 800 per year dropped to -52 for 1979-80, picked up to 467 for 1980-81, and then dipped to -110 for 1981-82. Thurston consistently gained through 1980-81, but lost nearly 100 students in 1981-82. Kitsap is the only county that had a substantial net inmovement of students (230) for 1981-82.

TABLE 6
PUBLIC AND PRIVATE SCHOOL COHORT CHANGE
GRADES 1 - 7 to 2 - 8
STATE OF WASHINGTON
1960 - 1982

School Year	Public & Private Schools				Public Schools				Private Schools			
	Grades		Net Change	Percent	Grades		Net Change	Percent	Grades		Net Change	Percent
	1-7	2-8			1-7	2-8			1-7	2-8		
1960-61	417,272	415,725	-1,547	-.37	378,029	376,430	-1,599	-.42	39,243	39,295	52	.13
1961-62	424,030	421,760	-2,270	-.54	383,729	382,395	-1,334	-.35	40,301	39,365	-936	-2.32
1962-63	432,458	428,026	-4,432	-1.02	391,934	387,622	-4,312	-1.10	40,524	40,404	-120	-.30
1963-64	438,591	432,035	-6,556	-1.49	397,101	391,988	-5,113	-1.29	41,490	40,047	-1,443	-3.48
1964-65	440,862	437,226	-3,636	-.82	399,741	398,106	-1,635	-.41	41,121	39,120	-2,001	-4.87
1965-66	444,203	450,496	6,293	1.42	404,410	412,215	7,805	1.93	39,793	38,281	-1,512	-3.80
1966-67	458,153	472,166	14,013	3.06	419,180	434,246	15,066	3.59	38,973	37,920	-1,053	-2.70
1967-68	479,957	482,628	2,671	.56	441,227	446,818	5,591	1.27	38,730	35,810	-2,920	-7.54
1968-69	489,161	490,453	1,292	.26	453,207	457,190	3,983	.88	35,954	33,263	-2,691	-7.48
1969-70	493,213	487,278	-5,935	-1.20	459,998	456,273	-3,725	-.81	33,215	31,005	-2,210	-6.65
1970-71	485,709	479,468	-6,241	-1.28	454,874	449,470	-5,404	-1.19	30,835	29,998	-837	-2.71
1971-72	472,674	467,094	-5,580	-1.18	443,018	438,232	-4,786	-1.08	29,656	28,862	-794	-2.68
1972-73	456,829	459,471	2,642	.58	428,758	431,659	2,901	.68	28,071	27,812	-259	-.92
1973-74	448,463	450,317	1,854	.41	421,388	422,314	926	.22	27,075	28,003	928	3.43
1974-75	438,459	441,819	3,360	.77	411,122	413,575	2,453	.60	27,337	28,244	907	3.32
1975-76	433,688	435,856	2,168	.50	405,900	406,655	755	.19	27,788	29,201	1,413	5.08
1976-77	431,555	436,745	5,190	1.20	402,322	406,978	4,656	1.16	29,233	29,767	534	1.83
1977-78	432,988	440,898	7,910	1.83	403,277	408,749	5,512	1.37	29,711	32,109	2,398	8.07
1978-79	435,372	443,060	7,688	1.77	402,935	409,947	7,012	1.74	32,437	33,113	676	2.08
1979-80	439,410	442,791	3,381	.77	405,705	408,541	2,836	.70	33,705	34,250	545	1.62
1980-81	439,768	440,501	733	.17	404,916	405,291	375	.09	34,852	35,210	358	1.03
1981-82	437,310	432,552	-4,758	-1.09	401,199	396,081	-5,118	-1.28	36,111	36,471 ¹	360 ¹	1.00 ¹

¹Forecasted

TABLE 7

COHORT CHANGE GRADES 1-7 TO 2-8
PUBLIC AND PRIVATE SCHOOLS COMBINED
STATE OF WASHINGTON, 1970 TO PRESENT

	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82*
	-6,241	-5,580	2,642	1,854	3,360	2,168	5,190	7,910	7,688	3,381	733	-5,118
ADAMS	35	-23	-53	-19	78	0	66	-45	-63	-54	-2	-43
ASOTIN	52	-23	3	-11	-26	-8	20	-9	-17	-29	14	-30
BENTON	-106	37	17	526	562	606	640	664	399	-231	339	-875
CHELAN	-235	-97	11	100	-17	202	-43	125	-68	46	-26	114
CLALLAM	-13	154	196	120	135	25	117	182	147	-36	-208	-206
CLARK	591	743	824	476	295	758	630	811	732	-52	467	-110
COLUMBIA	-17	32	7	-4	13	9	-25	-10	4	3	-19	18
COWLITZ	-275	-101	28	101	-12	-37	-28	2	13	-126	-97	-187
DOUGLAS	59	-1	-24	91	82	48	3	-21	8	-30	22	-74
FERRY	30	10	21	34	-3	34	-5	45	-19	-17	-27	-13
FRANKLIN	-23	-97	-42	-5	156	-36	-106	105	-4	-159	-115	-260
GARFIELD	29	17	-23	-5	14	13	-6	-33	-6	-17	7	7
GRANT	-470	-194	-62	791	163	166	-196	-5	-143	-106	-84	148
GRAYS HARBOR	-72	-84	48	-93	-15	-99	64	89	53	-73	-206	-244
ISLAND	-141	-70	86	-47	-39	-8	-65	-11	-93	-108	-190	-126
JEFFERSON	-19	7	75	43	43	37	89	83	61	110	-9	-81
KING	-4,856	-3,394	-421	-619	-194	-771	524	1,129	1,347	1,891	613	-695
KITSAP	-267	-32	700	522	264	257	967	636	750	708	-200	230
KITTITAS	105	-44	-5	-34	37	20	19	-3	-62	-7	-28	-48
KLICKITAT	80	-32	22	-30	25	-1	25	52	106	61	-75	-70
LEWIS	126	104	41	133	58	67	125	165	137	-49	49	-65
LINCOLN	25	23	-65	53	-13	48	-49	59	16	-7	-15	-13
MASON	63	11	82	72	95	32	147	156	84	113	-1	-70
OKANOGAN	459	-40	11	-680	98	53	-1	68	144	-1	88	-73
PACIFIC	-18	-21	70	5	-6	60	8	-31	-12	64	-5	-6
PEND ORELLE	1	72	36	74	22	32	25	35	49	30	-2	6
PIERCE	-1,069	-1,714	593	-6	210	-102	437	950	1,006	377	180	-965
SAN JUAN	18	37	54	19	-14	33	80	70	23	28	26	5
SKAGIT	14	13	3	74	103	8	-5	108	111	-123	111	-56
SKAMANIA	31	-28	26	-16	-43	42	-21	12	17	11	-76	-5
SNOHOMISH	-900	-809	-139	-63	295	-204	701	1,208	1,032	1,033	280	-5
SPOKANE	107	117	-152	-275	171	298	209	538	492	136	-246	-691
STEVENS	115	124	-1	212	36	107	162	146	293	-142	-94	-75
THURSTON	147	162	530	306	447	446	751	596	707	424	574	-95
WAHKIAKUM	12	9	-10	-9	-6	0	9	-30	-7	-14	6	-1
WALLA WALLA	-141	29	51	49	-9	37	-11	59	31	15	11	-43
WHATCOM	444	-135	-5	94	165	110	100	201	202	50	-5	14
WHITMAN	-47	-90	-61	-51	4	-96	-79	-75	22	-15	-67	-84
YAKIMA	-115	-252	170	-74	186	-18	-88	-111	196	-323	-257	-351

*Public school enrollment only; private data not yet available.

Section III

Trends in Public and Private School Enrollment

I. Total K-12 Enrollment

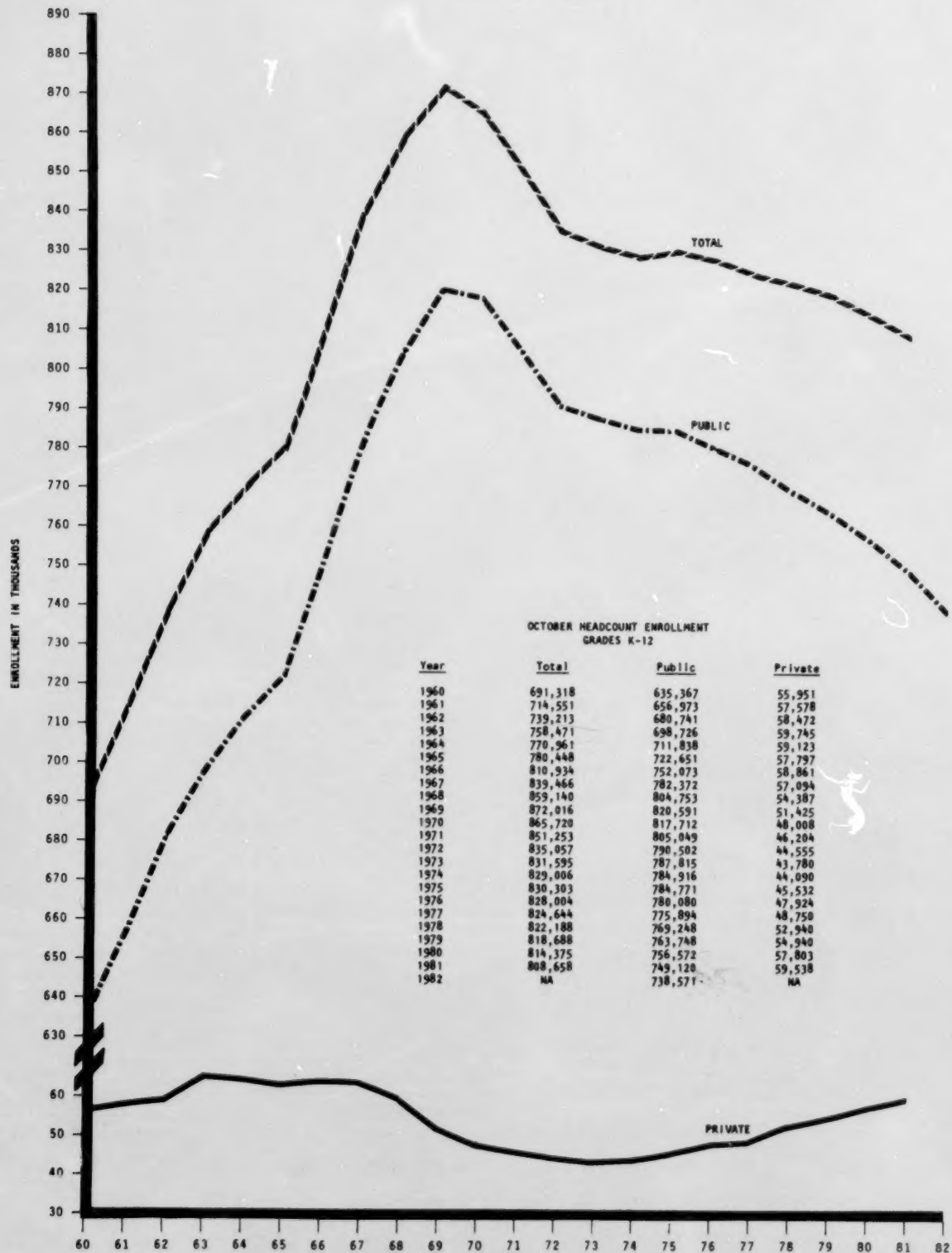
Over the past two decades, the level of K-12 enrollment in Washington has shown considerable change. Enrollment in public and private schools combined increased from 691,318 in 1960 to 872,016 in 1969, an increase of 180,698, or 26.1 percent, over a nine year period. The enrollment peak in 1969 was largely due to the baby boom--the fact that annual births in the State averaged over 63,000 per year from 1952 to 1964. Births from 1952 to 1964 represent all of the youngsters age 5 to 17 years of age in 1969 enrolled in K to 12th grade. Annual births began to decline in 1963 and remained at generally lower levels through 1976 -- averaging only 53,000 per year from 1965 to 1976. By 1981 K-12 enrollment had dropped to 808,658, a decline of 63,358 from the 1969 peak.

The baby boom children have now reached maturity and are having families of their own. Births in the state are currently higher than earlier "baby boom levels" and are expected to remain at about 70,000 per year. K-12 enrollment levels are expected to increase by the mid 1980's as these large birth cohorts reach school age.

II. Public Enrollment

Students in public schools have represented over 90 percent of total state enrollment since 1960. Thus, public enrollment trends are identical to the total enrollment trends discussed in the preceeding section. Public K-12 enrollment peaked in 1969 at 820,591 and has now declined to 738,571. Annual birth cohorts of 58,000 or higher are beginning to entering the school system as five year olds, but their impact is being moderated by the State's economic conditions and a net out migration of families with children. Public enrollment, similar to total enrollment, is expected to begin to increase by the mid 1980's.

FIGURE 4
OCTOBER HEADCOUNT ENROLLMENT
GRADES K-12
STATE OF WASHINGTON



III. Private Enrollment

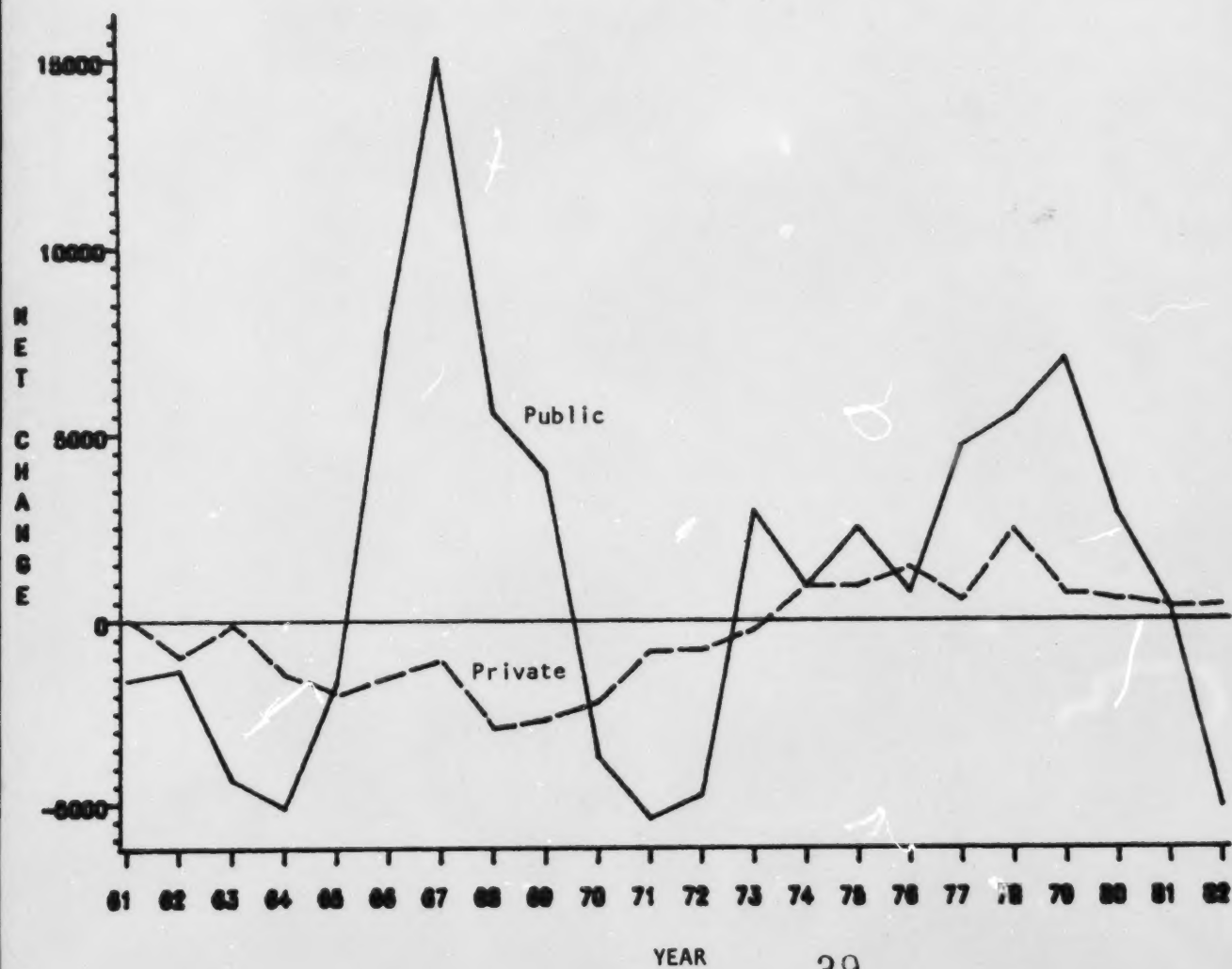
In 1960, private school K-12 enrollment was 55,951, representing 8.1 percent of total state enrollment. Private enrollment reached 59,745 in 1963, and then began a long term decline. When public enrollment levels peaked in 1969, private enrollment had dropped to 51,425 -- representing only 5.9 percent of total state enrollment. By 1973 private enrollment had dropped to 43,780, 5.3 percent of total enrollment.

The long term movement of students away from private schools reversed in 1974. At this time total enrollment in the state (public and private combined) continued to decrease because of the impact of the smaller birth cohorts of the 1963-69 period entering the educational system. The proportion of students in private schools, however, which had been dropping since 1960 edged up from 5.3 percent in 1973 to 5.5 percent in 1975, and continued to increase to 7.4 percent in 1981.

Table 6 (presented in Section II) shows the annual net change in students enrolled in grades 1 to 7 as they succeed to enroll in grades 2 to 8 the following year. When public and private schools are combined, the net change in the number of students enrolled in 1 to 7 one year to those enrolling in 2 to 8 the next year, reflects student gains from other states (or losses to other states). But, if public or private schools are examined separately, net gains or losses may be to migration, or due to the crossover of students between the two school systems.

Net annual grade to grade student change is graphed for public and private schools in Figure 5. This graph clearly shows the 1974 reversal in the private school enrollment decline. Between 1960 and 1973, there was a consistent annual net loss of students in grades 1-7 as they succeeded to grades 2-8 in private schools. Even during the

FIGURE 5
ANNUAL NET STUDENT CHANGE
GRADES 1-7 TO 2-8, PUBLIC AND PRIVATE SCHOOLS



rapid expansion of aerospace employment during the 1966-68 period, which fostered substantial population growth in the State, and large net gains in public schools, private schools continued to experience large net student losses: -1,512 in 1965-66, -1,053 in 1966-67, and -2,920 in 1967-68.

When the State's economy began to improve in 1972 and 1973, the long-term private to public crossover was ending. Private schools had a net gain of 928 students in 1974, 907 in 1975 and 1,413 in 1976. An unprecedented net gain of 2,398 was reported in 1978. The impact of economic growth in the State on public school enrollment levels has become somewhat more variable because of the actual and potential draw of private schools.

The prospect for the continuing draw of private schools may be better examined on a geographical basis. King county, which contains approximately 45 percent of the total state enrollment in private schools has consistently accounted for over 50 percent of the net gain in private schools between 1974 and 1977.

TABLE 8
Public and Private School Cohort Change
Grades 1-7 to 2-8
King County

	Public Schools			Private Schools		
	Grades 1-7	Grades 2-8	Net Change	Grades 1-7	Grades 2-8	Net Change
1973-74	128,095	126,938	-1,157	11,534	12,072	538
1974-75	123,309	122,517	-792	11,594	12,192	598
1975-76	119,469	117,958	-1,511	11,884	12,624	740
1976-77	115,955	116,084	129	12,498	12,893	395
1977-78	113,642	113,613	-29	12,677	13,835	1,158
1978-79	110,450	111,822	1,372	13,836	13,811	-25
1979-80	109,316	110,597	1,281	13,879	14,489	610
1980-81	107,746	108,076	330	14,560	14,843	283
1981-82	104,658	103,963	-695	NA	NA	NA

Over the 1974-77 period, public school levy failures and teacher strikes undoubtedly contributed to the increase of enrollment in private schools in King county (Table 8). In 1978, public schools in the county were not only impacted by an extended teacher strike in the Seattle school district, but by the desegregation bussing program. Public schools showed a cohort loss of -29 students in grades 2-8, while private schools gained 1,158.

Net change for 1978-79, however, shows a different picture. Public schools had a net gain of 1,372 students, private schools had a loss of -25. Several interpretations are possible. The gain in public schools for King county for the 1978-79 period is based on accurate data, and is undoubtedly associated with strong net immigration to the county because of aerospace and other economic expansion. The net loss, shown for private schools, is probably due to poor coverage of private schools in the data collection process.

In 1979 many private school officials did not want to report their enrollment to a state agency. In 1980, a better data collection procedure was initiated and private schools in King county showed a net gain of 610 students. In 1981, with a slump in the State's economy and a reduction of net immigration to Washington, private schools had a gain of 283, public schools gained 330.

Similar to King county, private schools in other counties also attracted more students (See Appendix Table 8). Tacoma and Everett school districts also had extended teacher strikes in the fall of 1978. If net student gains in grades 2 to 8 are considered, Pierce county had a net gain of 356 students in private schools in the fall of 1978, compared to a net gain of only five students the previous fall. Pierce has continued to show gains of 100-150 for 1980 and 1981. Snohomish county had a net gain of 235 students in private schools in 1978 compared to only fifteen the previous year. Snohomish county, however, shows a much more variable pattern of private school gains and losses through 1982.

Although any major enrollment shift to private schools statewide appears unlikely, private school programs should continue to be competitive with public school programs and will continue to attract students. This should be particularly true in areas where the public school system has a problem with teacher strikes or other disruptions in the educational system. Enrollment gains in private schools should be minimal for the next few years, due to the State's economic slump, but are expected to increase as economic conditions improve.

IV. Distribution of Enrollment in Public and Private Schools

Enrollment by grade is shown for public schools in Table 4 and for private schools in Table 9. Figures 6 and 7 show the distribution of enrollment in public and private schools for selected grade groups. Since 1960 Kindergarten enrollments in public schools (Figure 6) have generally ranged between 6 and 7 percent of total public enrollment. Enrollment in grades 1-8 has shown a general decline, dropping from 68.7 percent of public enrollment in 1960 to 61.2 percent in 1980. This is largely due to smaller birth cohorts entering the system. Over the same time period, the proportion of students in grades 9-12 increased from 25 percent in 1960 to 32 percent in 1980.

Private schools typically have a slightly larger proportion of their enrollment in primary grades. Kindergarten enrollment in private schools has shown a notable increase -- from 0.9 percent of total private enrollment in 1960, to 7.4 percent by 1980. Enrollment in grades 1-8 declined over the 1960 to 1980 period, from 79.2 percent in 1960 to 68.1 by 1980. Enrollment in grades 9-12 has remained relatively stable, representing 20 to 25 percent of total private enrollment since 1960.

FIGURE 6

**OCTOBER HEADCOUNT ENROLLMENT IN PUBLIC SCHOOLS
SELECTED GRADE GROUPS**

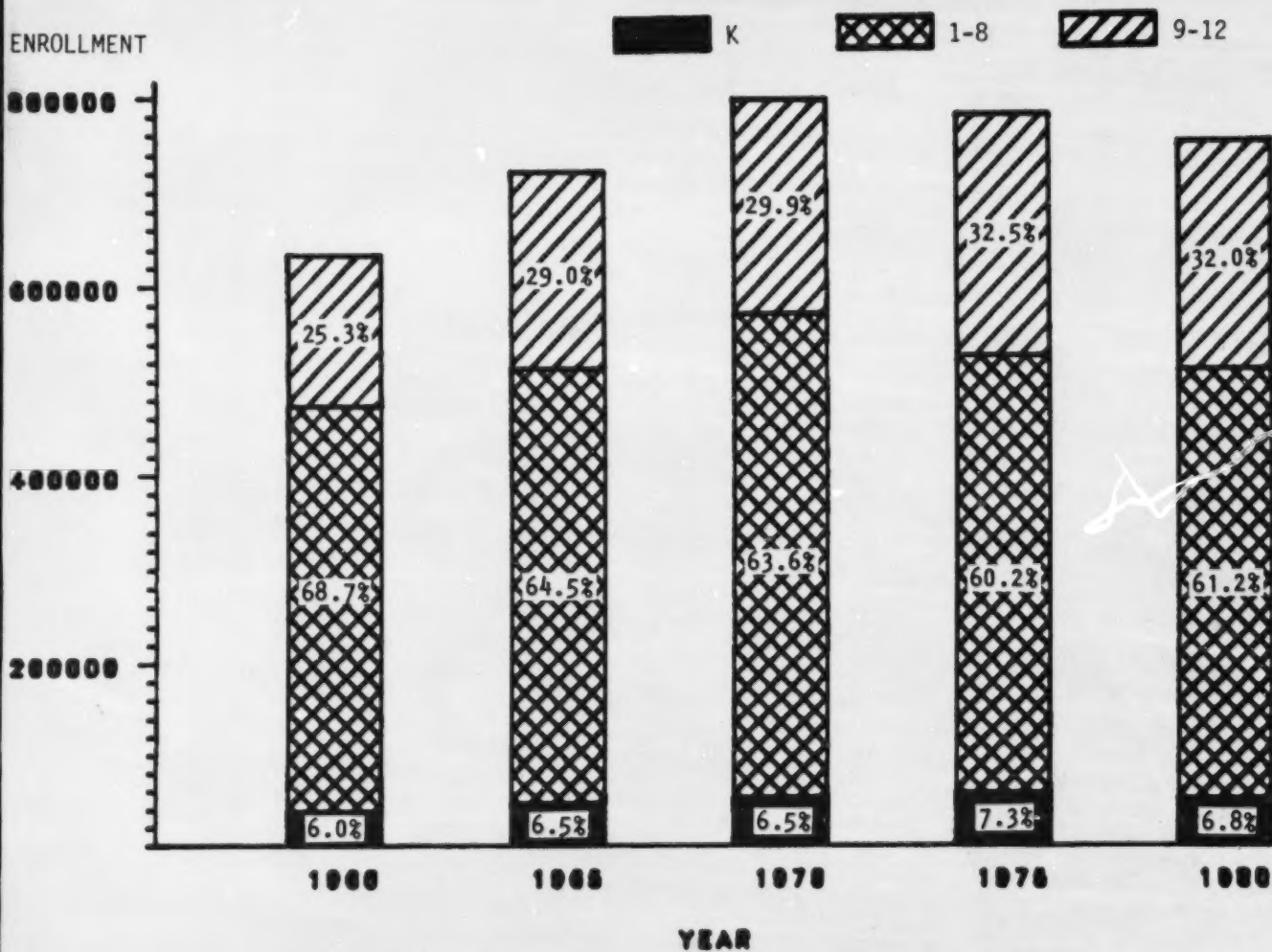
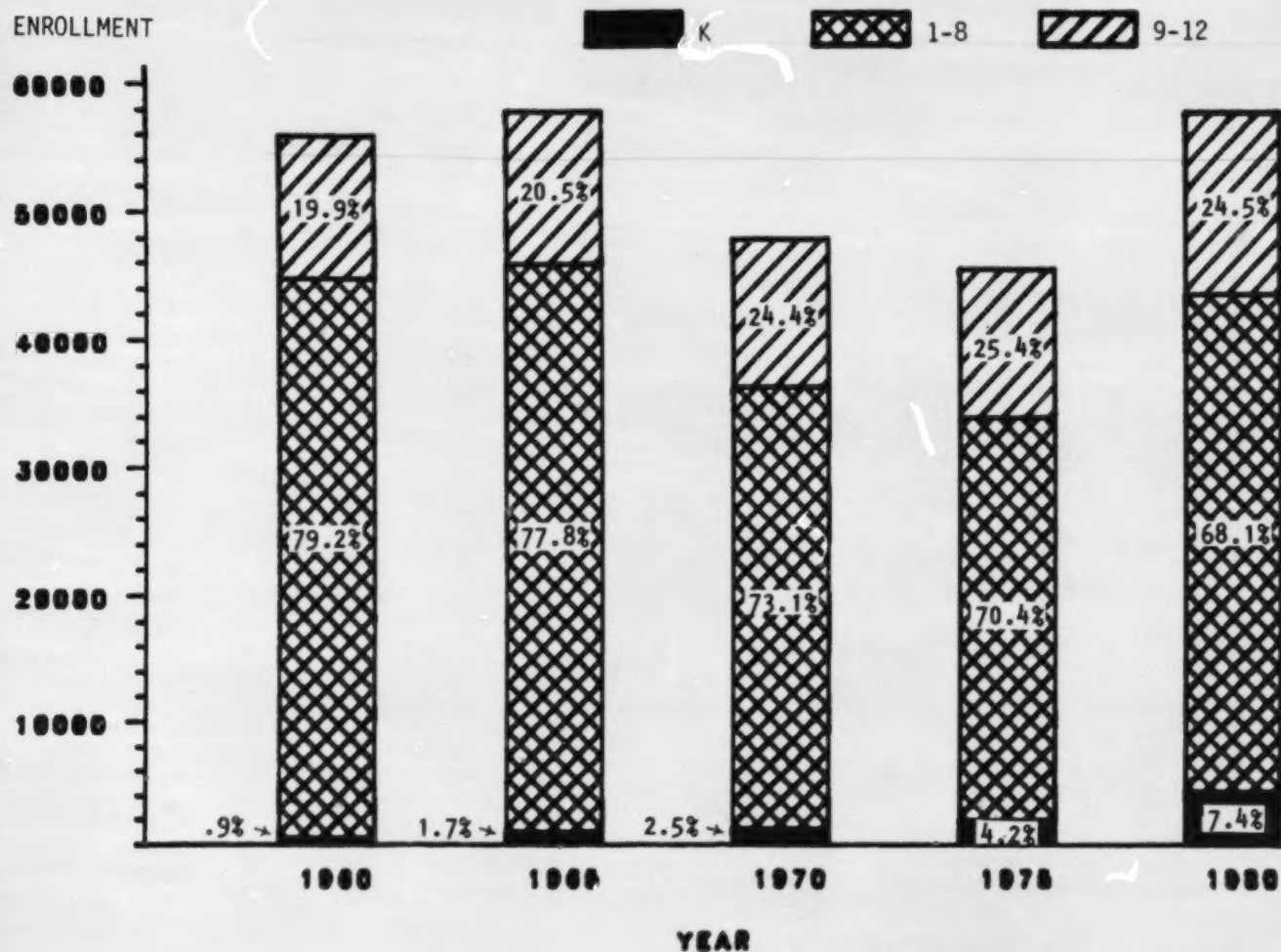


FIGURE 7
OCTOBER HEADCOUNT ENROLLMENT IN PRIVATE SCHOOLS
SELECTED GRADE GROUPS



It is of interest to note that the remarkable increase in Kindergarten enrollments in private schools, from about 1,200 in the early 1970's to over 4,000 in 1980, have not resulted in comparable increases in first grade enrollments. The table below shows net enrollment change from kindergarten to first grade enrollment the following year for private schools.

Net Change, Kindergarten to First Grade
October Headcount Enrollment
Private Schools, 1970-1980

Year	Kindergarten Enrollment	Year	First Grade Enrollment	Net Change Kindergarten to First Grade	
				Number	Percent
1970	1,204	1971	3,770	2,566	213.1
1971	1,218	1972	3,403	2,185	179.4
1972	1,105	1973	3,348	2,243	203.0
1973	1,616	1974	3,601	1,985	122.8
1974	1,568	1975	3,792	2,224	141.8
1975	1,934	1976	4,327	2,393	123.7
1976	2,235	1977	4,313	2,078	93.0
1977	2,433	1978	4,672	2,239	92.0
1978	3,227	1979	4,993	1,766	54.7
1979	3,632	1980	5,087	1,455	40.1
1980	4,290	1981	5,531	1,241	28.9

In the early 1970's first grade enrollment levels in private schools were about three times as large as kindergarten enrollment the prior year. By 1980, first grade enrollments only showed a 28.9 percent increase over kindergarten enrollment the prior year. Interpretation is somewhat difficult, but the data imply that more families intending to enroll their children in private schools now begin at the kindergarten level, rather than at the first grade level. The increase of kindergarten programs over the decade in private schools have undoubtedly given parents the opportunity to enroll their children in private schools at an earlier age -- programs probably increased because of the demand. But, the data also imply that private school enrollment may be reaching its upper limits - that even

with the rapid increase in church supported preschool/kindergarten and daycare programs, additional increases in preschool and kindergarten enrollments may not be retained at the first grade level. That parents, particularly working mothers, will utilize the private preschool/kindergarten day care programs, but transfer their children to public schools in the first grade.

V. Private School Data

Tracking trends in private school enrollment depends on accurate enrollment data. Enrollment data for private schools approved by the Washington State Board of Education is collected each fall by the Superintendent of Public Instruction.

Many private schools, however, do not seek approval by the State Board of Education. Data for these "other private" schools is collected for this office by the Washington Council for Private Education. The table below shows there are nearly 5,000 children enrolled in "other" private schools, and that these students represent 7 to 8 percent of total enrollment in private schools.

October Headcount Enrollment In Other Private Schools

	1980		1981	
	Enrollment	% of Total Private Enrollment	Enrollment	% of Total Private Enrollment
Preschool/Kindergarten	1,192	15.3	1,281	14.6
Grades 1-8	2,914	7.4	2,785	6.8
Grades 9-12	876	6.2	697	5.0
Total	4,982	8.1	4,763	7.5
Number of Schools.....	74		85	

Without the continuing cooperation and support of all private school administrators and staff, the collection of private school enrollment data would be impossible. Their support enables this office to not only examine enrollment trends, but to develop more accurate population estimates that are used in the allocation of state and federal funds to local communities.

TABLE 9
OCTOBER HEADCOUNT ENROLLMENT
PRIVATE SCHOOLS
STATE OF WASHINGTON
1968-1981

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
Preschool	---	---	---	---	---	---	859	1,212	1,605	1,665	2,644	2,408	3,495	3,946 ¹
K	1,156	1,234	1,204	1,218	1,105	1,616	1,568	1,934	2,235	2,433	3,227	3,632	4,290	4,844 ¹
1	4,942	4,556	4,104	3,770	3,403	3,348	3,601	3,792	4,327	4,313	4,672	4,993	5,087	5,531
2	5,311	4,559	4,213	4,093	3,652	3,322	3,477	3,815	4,081	4,328	4,729	4,686	4,852	5,101
3	5,100	4,938	4,310	4,196	3,924	3,639	3,547	3,654	4,001	4,224	4,764	4,885	4,803	4,957
4	5,195	4,760	4,599	4,281	4,122	4,020	3,910	3,697	4,024	4,120	4,702	4,984	5,035	4,962
5	5,219	4,850	4,492	4,545	4,269	4,059	4,196	4,181	4,022	4,163	4,559	4,855	5,286	5,294
6	5,186	4,815	4,715	4,415	4,430	4,363	4,330	4,351	4,273	4,238	4,460	4,712	4,957	5,198
7	5,057	4,734	4,402	4,356	4,271	4,324	4,276	4,298	4,505	4,325	4,551	4,590	4,832	5,068
8	4,798	4,603	4,274	4,112	4,194	4,085	4,267	4,248	4,295	4,369	4,344	4,401	4,485	4,630
9	3,607	3,601	3,375	3,114	3,088	3,225	3,120	3,464	3,503	3,523	3,796	3,769	4,094	4,045
10	3,136	3,066	3,023	2,937	2,840	2,735	2,847	2,914	3,300	3,296	3,370	3,492	3,701	3,638
11	2,998	2,871	2,675	2,707	2,722	2,580	2,546	2,752	2,763	2,968	3,067	3,149	3,501	3,338
12	2,682	2,838	2,622	2,460	2,535	2,464	2,405	2,432	2,595	2,450	2,699	2,792	2,880	2,932
1-6	30,953	28,478	26,433	25,300	23,800	22,751	23,061	23,490	24,728	25,386	27,886	29,115	30,020	31,043
7-12	22,278	21,713	20,371	19,686	19,650	19,413	19,461	20,108	20,961	20,931	21,827	22,193	23,493	23,651
1-8	40,808	37,815	35,109	33,768	32,265	31,160	31,604	32,036	33,528	34,080	36,781	38,106	39,337	40,741
9-12	12,423	12,376	11,625	11,218	11,185	11,004	10,918	11,562	12,161	12,237	12,932	13,202	14,176	13,953
1-12	53,231	50,191	46,804	44,986	43,450	42,164	42,522	43,598	45,689	46,317	49,713	51,308	53,513	54,694
K-12	54,387	51,425	48,008	46,204	44,555	43,780	44,090	45,532	47,924	48,750	52,940	54,940	57,803	59,538

¹1981 preschool and kindergarten enrollment totaled 8,790. Preschool and kindergarten detail was not available so these two categories were estimated from 1980 preschool and kindergarten proportions.

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Section IV

School Dropout Trends 1952 to 1982

A person who leaves school prior to completion of the requirements for graduation from high school is termed a dropout. Changes in the number and rate of dropouts is of concern for several reasons. Changes in the number or rate of dropouts are important because dropout rates are considered a reflection of the educational systems ability to retain or "hold" youngsters until they have acquired the basic skills and knowledge to function adequately in society. From a forecasting perspective, dropouts are an important component of enrollment change in terms of the annual grade to grade succession (retention) rates used in developing annual forecasts by grade. They are also important in terms of student losses during the school year that have an impact on average annual enrollments used for budget purposes. Another focus is on specific factors which may be related to dropout rates: employment factors, the perceived value of the high school curriculum, or the prospect of obtaining a high school diploma or its equivalent without remaining in school. Whatever the focus, determining the actual number of dropouts is difficult, let alone, the reasons.

Dropouts are usually estimated by determining the change in the number of students enrolled in a given grade (a cohort of students) over a given time period. Dropout measures, trends, and factors influencing dropouts are presented in the following sections.

1. Dropout Indicators and Trends

Table 10 shows for public schools the annual percent change in grade cohorts as students proceed from 9th to 10th grade, 10th to 11th grade, 11th to 12th and on to graduation. These same data are graphed in terms of grade to grade succession (retention) rates for public schools in Figure 8 and for private schools in Figure 9. Each grade is a cohort of students passing through the school year with the

FIGURE 8
GRADE SUCCESSION RATES FOR PUBLIC SCHOOLS

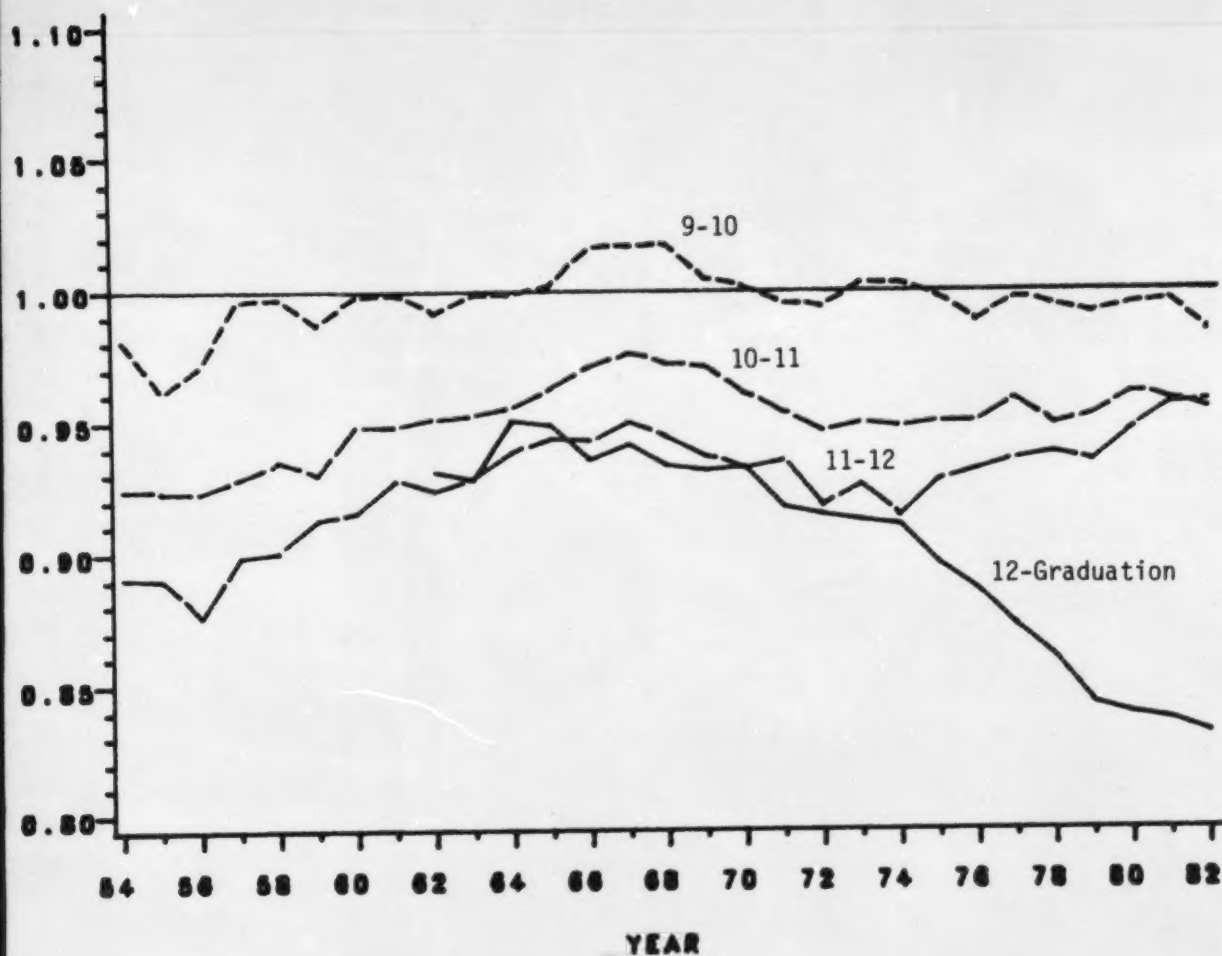
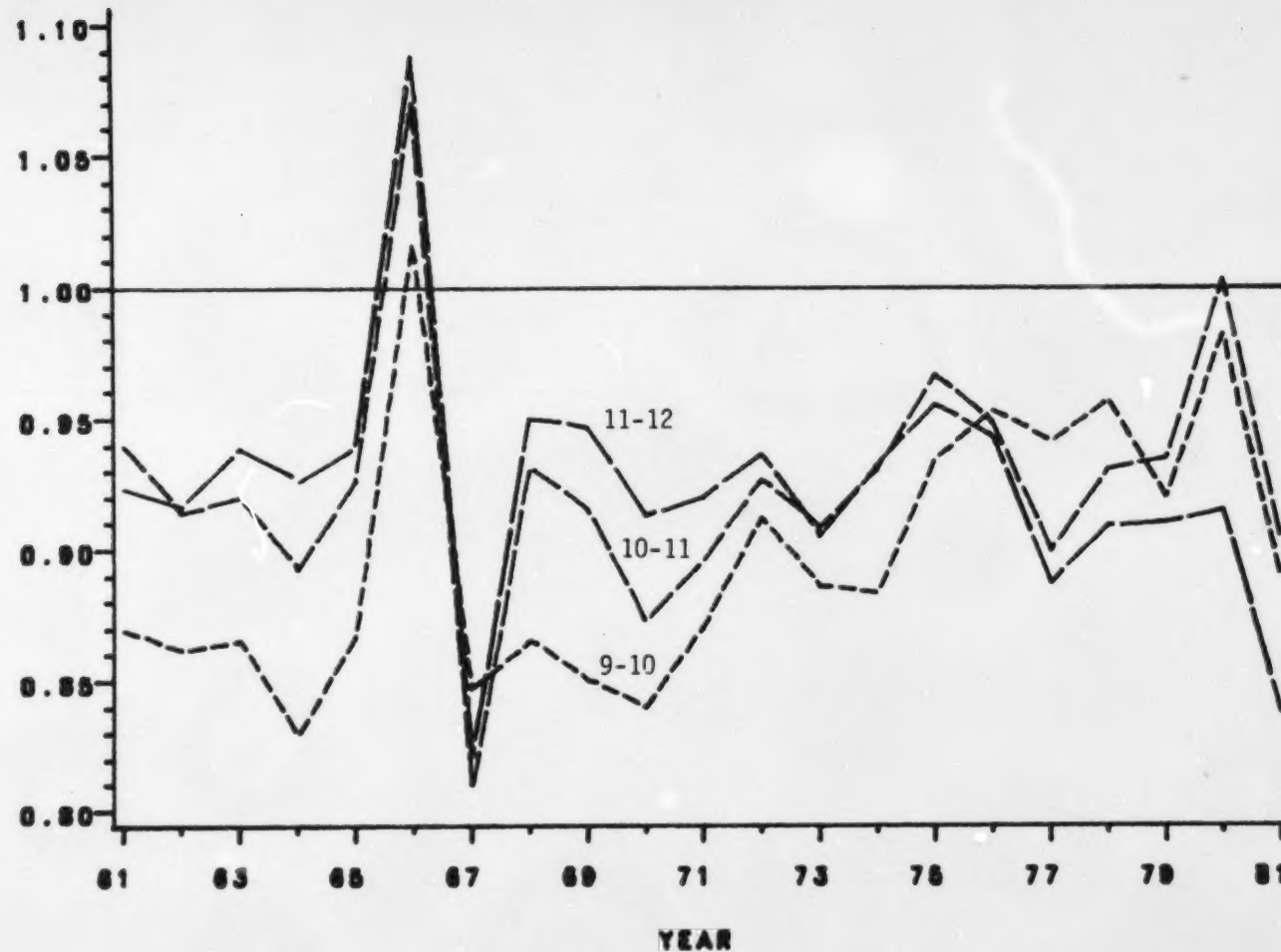


FIGURE 9

GRADE SUCCESSION RATES FOR PRIVATE SCHOOLS



NOTE: The extremely high grade succession rate for 1966 indicates a sharp increase in high school enrollment that was due to the construction of additional high schools serving the private system.

expectation that the same number will be counted the following year in the succeeding grade. Since deaths to youngsters of high school age are very low, changes in the size of the cohort will be due to migration or dropouts. Enrollment losses or gains due to migration should be minimal as migration rates for family heads 35-40 years or older are relatively low. From the 10th grade on, the data show consistent annual student losses that cannot be explained by migration into or out of the State. These losses mainly reflect dropouts, with the losses being greater at the higher grade levels, 11th to 12th, and 12th to graduation. Over the 1954 to 1982 period, dropout rates have generally improved for students moving from 10th to 11th grade and from 11th to 12th grade. This is most easily observed in Figure 8 where the grade to grade changes for public schools are shown in terms of retention rates. There has been an obvious deterioration in the retention of students from 12th grade to graduation, especially since 1974. Between 1962 and 1974, losses from the 12th grade cohort succeeding to graduation only increased from about 6.9 percent to 8.9 percent. Losses jumped to 14.0 percent by 1978 and nearly 17.0 percent by 1982.

11. Factors Relating to Dropout Trends

There are three options open to people who want to obtain a high school diploma or its equivalent. The most widely used method is the General Education Development (GED) test. All GED's are issued by SPI, but preparation and testing are done in high schools, community colleges, military bases and other institutions. An individual must usually be at least 19 years of age to be eligible to receive the GED or have sufficient reason for leaving the high school educational program. Exceptions must be justified and approved by SPI¹. The second most popular method is to complete high school level courses at a community college and apply these toward graduation at a local high school. In

¹Before March 1974, the only Washington residents between 15 and 19 years old eligible for a General Education Development certificate were those who needed evidence of high school completion in order to get a job. As of March 19, 1974, the change in the Washington Administrative Code (WAC 180-56-425, Order 1-74) changed the requirement to those persons having "...a substantial warranted reason for leaving the regular high school education program...".

FIGURE 10
GENERAL EDUCATION CERTIFICATES
BY AGE OF RECIPIENT

NUMBER OF GED'S

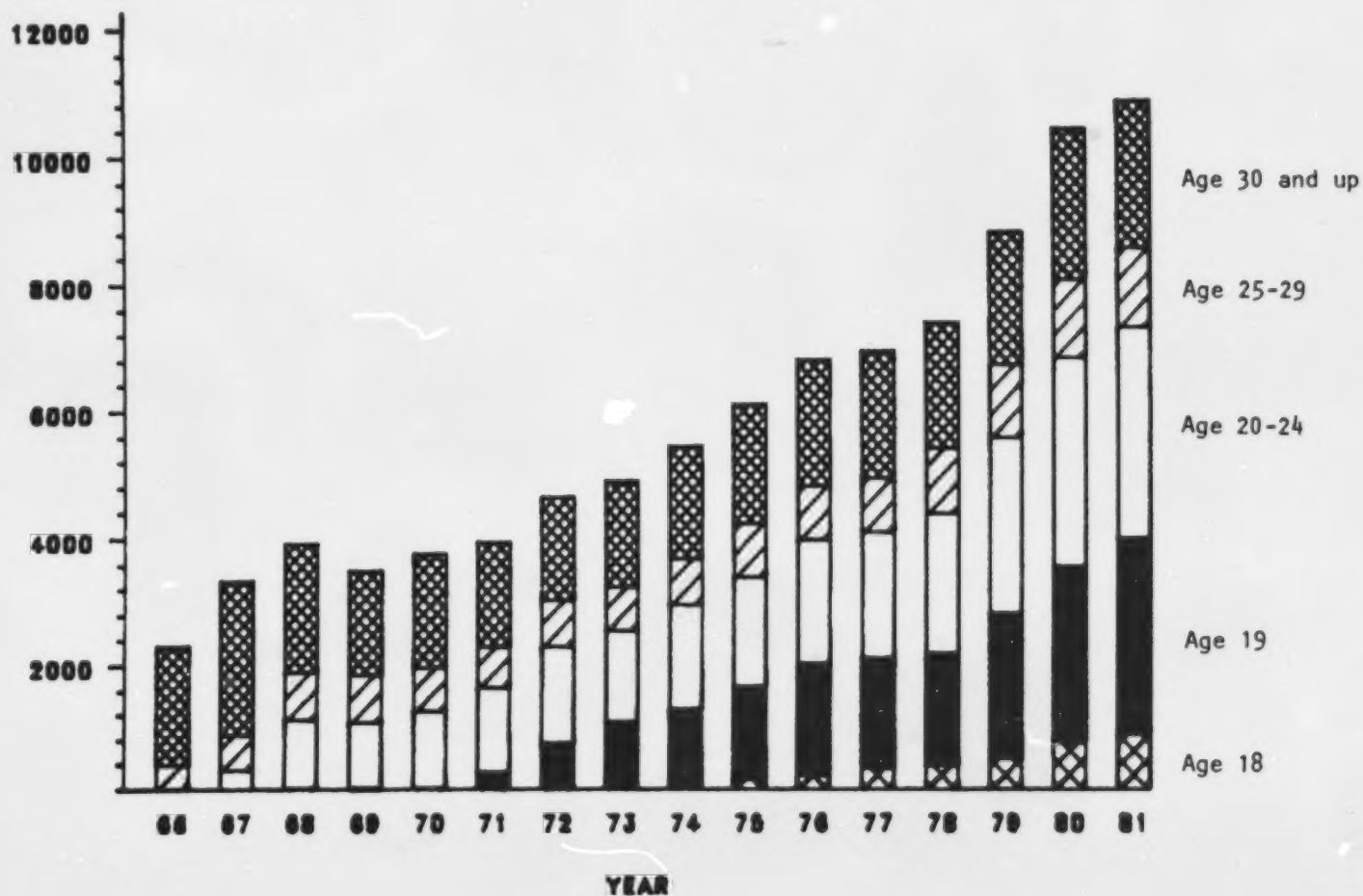
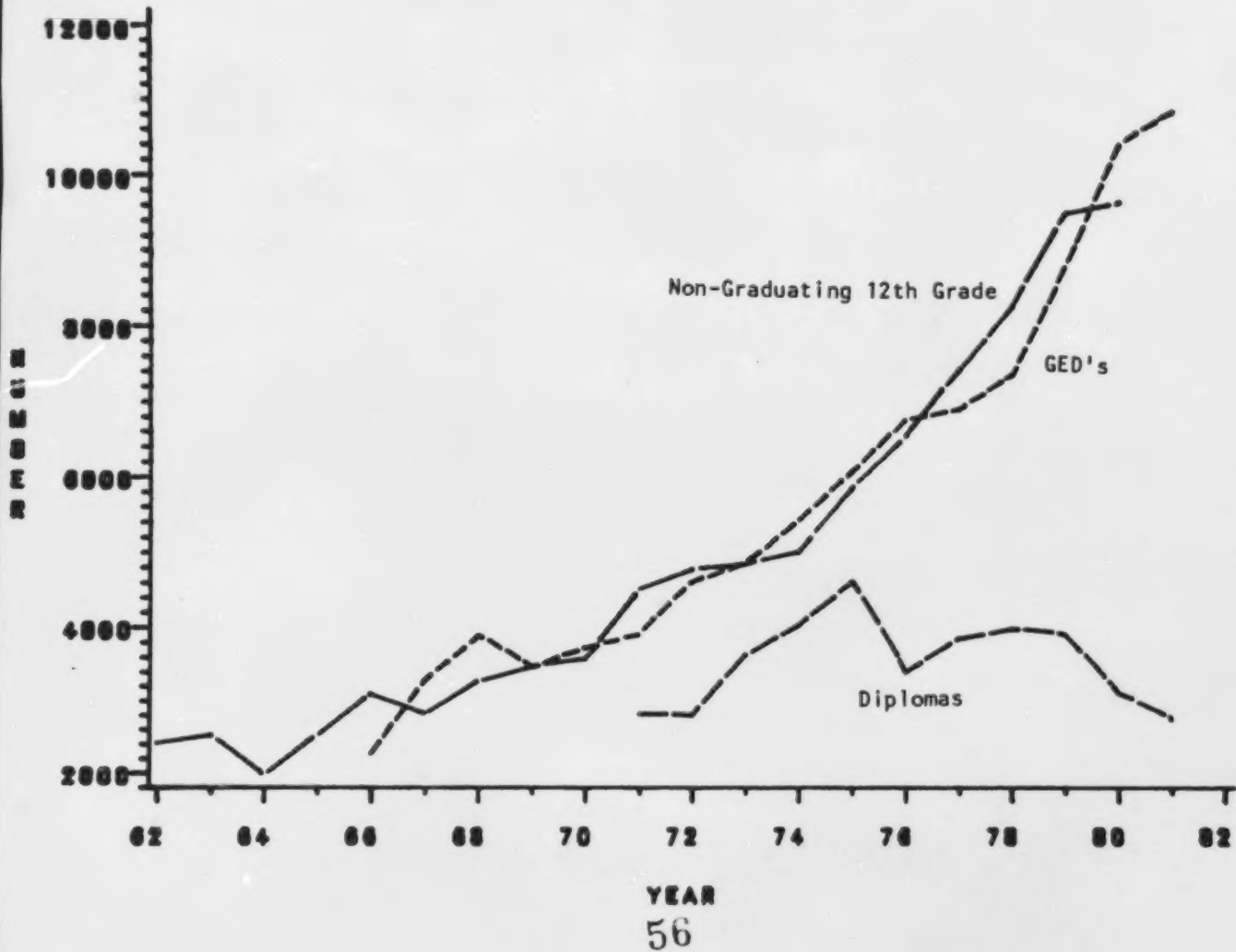


FIGURE 11

COMPARISON OF NON-GRADUATING 12TH GRADE ENROLLMENT AND
GED AND DIPLOMA RECIPIENTS



this case, the high school diploma is granted by the local high school. High school diplomas may also be earned at community colleges. Table 11 shows the increased use of these alternative means of obtaining a diploma or its equivalent (a GED) since the early 1970's.

GED's issued in the State have increased from 3,960 in 1971 to 10,880 by 1981. Table 12 shows GED's issued by age of recipient; these data are graphed in Figure 10. The number of 18 and 19 year olds receiving GED's has substantially increased since the early 1970's. Eighteen year old persons receiving GED Certificates increased from 39 in 1974 to 885 in 1981, or from 0.7 percent to 8.1 percent of all GED certificates issued. Nineteen year old recipients increased from 1,251 or 22.9 percent of all GED's issued, to 3,120, or 28.7 percent over this same period.

Figure 11 shows a sharp correspondence between the number of 12th grade dropouts and GED certificates issued. The simultaneous increase in 12th grade dropouts and the number of 18 and 19 year olds receiving GED's indicates that an increasing number of 12th grade students are dropping out of school and obtaining GED's.

III. Impact of Dropouts on Estimating Average Annual Enrollment in Grades 9-12

October full-time equivalent enrollments for grades 9 to 12 must be converted to the average annual FTE enrollment for budget allocations.

Dropouts during the school year can have a significant impact on average annual FTE. For the seventeen year historical period shown in Table 13, October enrollment has represented a declining percent of average annual enrollment. In 1965, October enrollment represented

98.5 percent of average annual enrollments at the end of the 1965-66 school year. By 1978, this percent had decreased to 96.7. Even during peak net immigration years, enrollment in grades 9 to 12 declined during the school year.

School years 1979-80, 1980-81 and 1981-82 show an increase in the retention of students over the 1978-79 school year. Average annual enrollment as a percent of October enrollment rose from 96.7 percent in 1978-79 to 97.2 in 1979-80, 97.4 in 1980-81 and 97.3 in 1981-82.

It is difficult to determine at this time whether the 1979-80 to 1981-82 school year trend represents a response to economic conditions, or whether it indicates that dropout rates during the school year will continue to improve. In developing the 1983-85 Biennium Budget, actual October enrollments for 1982, and forecasted enrollments for 1983 and 1984, were converted to average annual enrollments on the basis of the 1981-82 school year experience.

TABLE 10
AN INDICATOR OF STUDENT RETENTION¹
NET CHANGE IN ENROLLMENT LEVELS
9TH GRADE TO GRADUATION
STATE OF WASHINGTON
1952-1982

School Year	October Enrollment Grade 9	Year	October Enrollment Grade 10	10th Grade as % of 9th Grade 1 Year Prior	% Change 9th to 10th Grade	School Year	October Enrollment Grade 11	11th Grade as % of 9th Grade 2 yrs prior	% Change 10th to 11th Grade	School Year	October Enrollment 12th Grade	12 Grade as % of 9th Grade 3 Yrs Prior	% Change 11th to 12th Grade	Graduation Year	No. of Graduates	Graduates as % of 9th Grade 3 Yrs Prior	% Change 12th Grade to Graduation
1952	30,294	1953	29,313	97.1	-2.9	1954	27,185	89.7	-7.6	1955	24,132	79.9	-11.0	1956			
1953	30,698	1954	30,127	98.1	-1.9	1955	27,822	90.6	-7.7	1956	24,373	79.4	-12.4	1957			
1954	32,634	1955	31,378	96.2	-3.8	1956	28,973	88.8	-7.7	1957	26,842	79.8	-10.1	1958			
1955	33,670	1956	32,784	97.1	-2.9	1957	30,389	90.3	-7.1	1958	27,362	81.3	-10.0	1959			
1956	37,117	1957	36,976	99.6	-.4	1958	34,577	93.2	-6.5	1959	31,573	85.1	-8.7	1960			
1957	41,424	1958	41,386	99.7	-.3	1959	38,417	92.7	-7.0	1960	35,182	84.9	-8.4	1961			
1958	41,892	1959	40,549	98.7	-1.3	1960	38,460	93.6	-5.2	1961	35,682	86.8	-7.2	1962	33,223	80.9	-6.9
1959	40,825	1960	40,747	99.8	-.2	1961	38,645	94.7	-5.2	1962	35,697	87.4	-7.6	1963	33,141	81.2	-7.2
1960	46,825	1961	45,965	99.9	-.1	1962	43,728	95.0	-4.9	1963	40,621	88.3	-7.1	1964	38,619	83.9	-4.9
1961	56,619	1962	56,149	99.2	-.8	1963	53,497	94.5	-4.7	1964	50,208	88.7	-6.1	1965	47,651	84.2	-5.1
1962	54,144	1963	54,082	99.9	-.1	1964	51,668	95.4	-4.5	1965	48,768	90.1	-5.6	1966	45,636	84.3	-4.4
1963	53,828	1964	53,772	99.9	-.1	1965	51,772	96.2	-3.7	1966	48,797	90.7	-5.7	1967	45,949	85.4	-5.8
1964	53,843	1965	53,979	100.3	.3	1966	52,421	97.4	-2.9	1967	49,803	92.5	-5.0	1968	46,490	86.3	-6.7
1965	54,972	1966	55,082	101.7	1.7	1967	54,549	99.2	-2.4	1968	51,511	93.7	-5.6	1969	48,001	87.3	-6.8
1966	58,336	1967	59,339	101.7	1.7	1968	57,699	98.9	-2.8	1969	54,048	92.6	-6.3	1970	50,425	86.4	-6.7
1967	60,206	1968	61,277	101.8	1.8	1969	59,484	98.8	-2.9	1970	55,468	92.1	-6.8	1971	50,902	84.5	-8.2
1968	62,495	1969	62,771	100.4	.4	1970	60,298	96.5	-3.9	1971	56,383	90.2	-6.5	1972	51,563	82.5	-8.5
1969	63,722	1970	63,807	100.1	.1	1971	60,851	95.5	-4.6	1972	55,887	87.7	-8.2	1973	50,988	80.0	-8.8
1970	65,266	1971	64,934	99.5	-.5	1972	61,455	94.2	-5.4	1973	56,931	87.2	-7.4	1974	51,868	79.5	-8.9
1971	65,968	1972	65,567	99.4	-.6	1973	62,247	94.4	-5.1	1974	56,906	86.3	-8.6	1975	50,990	77.3	-10.4
1972	65,343	1973	65,524	100.3	.3	1974	62,884	95.0	-5.2	1975	57,685	88.2	-7.2	1976	51,012	78.1	-11.4
1973	65,757	1974	65,936	100.3	.3	1975	62,639	95.3	-5.0	1976	58,357	88.7	-6.8	1977	50,885	77.4	-12.8
1974	66,991	1975	66,825	99.8	-.2	1976	63,471	94.7	-5.0	1977	59,945	88.7	-6.4	1978	51,101	76.3	-14.0
1975	68,264	1976	67,440	98.8	-1.2	1977	64,658	94.7	-4.1	1978	60,662	88.9	-6.2	1979	51,108	74.9	-15.7
1976	67,961	1977	67,770	99.7	-.3	1978	64,302	94.6	-5.1	1979	60,089	88.4	-6.6	1980	50,402	74.2	-16.1
1977	66,481	1978	66,074	99.4	-.6	1979	62,929	94.7	-4.8	1980	59,549	89.6	-5.3	1981	49,818 ²	74.9	-16.4
1978	65,207	1979	64,618	99.1	-.9	1980	62,869	95.2	-3.9	1981	59,343	91.0	-4.4	1982	49,332 ²	75.7	-16.9
1979	61,788	1980	61,430	99.4	-.6	1981	58,861	95.3	-4.2	1982	56,346	91.2	-4.3	1983	-	-	-
1980	59,165	1981	58,918	99.6	-.4	1982	56,231	95.0	-4.6	1983	-	-	-	1984	-	-	-
1981	60,024	1982	59,068	98.4	-1.6	1983	-	-	-	1984	-	-	-	1985	-	-	-

¹The change in enrollment levels, 9th grade through graduation only provides an indicator of student retention. The

Enrollment level in any grade for a given year reflects the net impact of student exits and entrants (see text).

²Estimate, data not collected.

TABLE 11

GENERAL EDUCATION DEVELOPMENT (GED) CERTIFICATES AND
HIGH SCHOOL DIPLOMAS AND CERTIFICATES

STATE OF WASHINGTON

	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>1974</u>	<u>1975</u>	<u>1976</u>	<u>1977</u>	<u>1978</u>	<u>1979</u>	<u>1980</u>	<u>1981</u>
GED CERTIFICATES ¹											
Total Issued in State ²	3,960	4,661	4,906	5,464	6,123	6,807	6,948	7,409	8,839	10,451	10,880
Issued by Community Colleges	2,644	3,122	3,460	3,881	4,329	4,877	5,090	5,331	6,313	7,025	7,283
Issued by Other Testing Centers	1,316	1,539	1,446	1,583	1,794	1,930	1,858	2,078	2,526	3,426	3,597
	<u>1971-72</u>	<u>1972-73</u>	<u>1973-74</u>	<u>1974-75</u>	<u>1975-76</u>	<u>1976-77</u>	<u>1977-78</u>	<u>1978-79</u>	<u>1979-80</u>	<u>1980-81</u>	<u>1981-82</u>
HIGH SCHOOL DIPLOMAS AND CERTIFICATES											
Total Granted in State	2,857	2,828	3,675	4,071	4,653	3,444	3,893	4,014	3,940	3,151	2,785
Granted by Community Colleges	1,165	1,491	2,247	2,509	2,596	2,173	1,520	1,220	1,138	1,208	1,078
Granted by Local High Schools ³	1,692	1,337	1,428	1,562	2,057	1,271	2,378	2,788	2,802	1,943	1,707
TOTAL	6,817	7,489	8,581	9,535	10,776	10,251	10,846	11,423	12,779	13,602	13,665

¹Historical data revised to reflect current Superintendent of Public Instruction data.²SOURCE: State Board for Community College Education, Incidental Surveys.³Diplomas granted by local high schools based on credits earned at community colleges.OFM/F&E/P-213
10/82

TABLE 12

GENERAL EDUCATION CERTIFICATES ISSUED
BY AGE OF RECIPIENT
STATE OF WASHINGTON
1966 TO 1981²

Year	Total ¹	18 Years		19 Years		20-24 Years		25-29 Years		30 years & over	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1966	2,314	--	--	--	--	17	0.7	383	16.6	1,914	82.7
1967	3,335	6	0.2	5	0.1	299	9.0	567	17.0	2,458	73.7
1968	3,929	16	0.4	9	0.2	1,111	28.3	763	19.4	2,030	51.7
1969	3,504	5	0.1	7	0.2	1,069	30.5	776	22.1	1,647	47.0
1970	3,767	14	0.4	8	0.2	1,244	33.0	708	18.8	1,793	47.6
1971	3,960	17	0.4	246	6.2	1,398	35.3	652	16.5	1,647	41.6
1972	4,661	12	0.3	739	15.9	1,571	33.7	713	15.3	1,626	34.9
1973	4,906	52	1.1	1,030	21.0	1,496	30.5	676	13.8	1,652	33.7
1974	5,464	39	0.7	1,251	22.9	1,687	30.9	735	13.5	1,752	32.1
1975	6,123	162	2.6	1,494	24.4	1,750	28.6	837	13.7	1,880	30.7
1976	6,807	223	3.3	1,791	26.3	1,975	29.0	844	12.4	1,974	29.0
1977	6,948	345	5.0	1,763	25.4	2,008	28.9	833	12.0	1,999	28.8
1978	7,409	379	5.1	1,809	24.4	2,215	29.9	1,024	13.8	1,982	26.8
1979	8,839	498	5.6	2,315	26.2	2,779	31.4	1,164	13.2	2,083	23.6
1980	10,451	752	7.2	2,815	26.9	3,300	31.6	1,230	11.8	2,354	22.5
1981	10,880	885	8.1	3,120	28.7	3,338	30.7	1,250	11.5	2,287	21.0

¹The following number of GED recipients of unknown age were distributed proportionately: 152 in 1966, 201 in 1967, 4 in 1968, 2 in 1969, 1 in 1973, 1 in 1981.

²Data from 1970 forward contains current corrections.

Source: Superintendent of Public Instruction.

TABLE 13

AVERAGE ANNUAL FTE ENROLLMENT
AS A PERCENT OF OCTOBER ENROLLMENT
PUBLIC SCHOOLS, GRADES 9-12
STATE OF WASHINGTON
1965-66 TO 1981-82

School Year	GRADES 9-12			GRADE 9			GRADE 10			GRADE 11			GRADE 12		
	An. Av. FTE	Oct. FTE	%	An. Av. FTE	Oct. FTE	%	An. Av. FTE	Oct. FTE	%	An. Av. FTE	Oct. FTE	%	An. Av. FTE	Oct. FTE	%
1965-66 ¹	203,847	206,987	98.48	53,906	54,166	99.52	52,512	53,263	98.59	50,288	51,263	98.10	47,142	48,296	97.61
1966-67 ¹	209,886	212,555	98.74	57,227	57,465	99.59	54,468	55,098	98.86	50,921	51,786	98.33	47,270	48,205	98.06
1967-68	219,881	223,579	98.35	59,923	60,168	99.59	58,322	59,284	98.38	53,343	54,590	97.72	48,293	49,636	97.29
1968-69	228,191	232,584	98.11	61,849	62,460	99.02	60,180	61,207	98.32	56,232	57,633	97.57	49,930	51,284	97.36
1969-70	234,759	239,661	97.95	63,132	63,675	99.15	61,406	62,710	97.92	57,821	59,396	97.35	52,396	53,880	97.25
1970-71	239,601	244,449	98.02	64,751	65,258	99.22	62,652	63,782	98.23	58,745	60,228	97.54	53,448	55,180	96.86
1971-72	241,829	247,528	97.70	65,258	65,935	98.97	63,562	64,871	97.98	59,126	60,727	97.36	53,883	55,995	96.23
1972-73	241,895	247,589	97.70	64,861	65,315	99.30	64,170	65,478	98.00	59,568	61,341	97.11	53,295	55,456	96.10
1973-74	243,738	250,044	97.48	65,194	65,740	99.17	64,126	65,494	97.91	60,177	62,182	96.78	54,241	56,628	95.78
1974-75	244,073	250,041	97.61	66,474	66,946	99.29	64,442	65,803	97.93	60,138	61,916	97.13	53,019	55,376	95.74
1975-76	247,015	253,559	97.42	67,425	68,204	98.86	65,416	66,660	98.13	60,429	62,317	96.97	53,745	56,378	95.33
1976-77	248,539	255,457	97.29	67,184	67,894	98.95	65,995	67,317	98.04	61,146	63,163	96.81	54,214	57,083	94.97
1977-78	248,987	256,190	97.19	65,676	66,398	98.91	66,062	67,622	97.69	62,001	64,231	96.53	55,248	57,939	95.36
1978-79	245,449	253,727	96.74	64,250	65,151	98.62	64,175	65,916	97.36	61,243	63,737	96.09	55,781	58,923	94.67
1979-80	239,574	246,518	97.18	61,007	61,708	98.86	63,010	64,418	97.81	60,098	62,238	96.56	55,458	58,154	95.36
1980-81	233,164	239,482	97.36	58,454	59,100	98.91	59,977	61,268	97.89	59,447	61,326	96.94	55,286	57,788	95.67
1981-82	228,061	234,274	97.35	59,409	59,959	99.08	57,470	58,798	97.74	56,328	58,105	96.94	54,854	57,412	95.54

¹FTE Enrollment figures may differ slightly from other tables in this report because of the allocation of ungraded handicapped students.

NOTE: Detail may not add due to rounding

APPENDIX

APPENDIX
TABLE 1

RATIOS OF OCTOBER HEADCOUNT/SEPTEMBER FTE ENROLLMENT

STATE OF WASHINGTON, 1967 to Present

Sept. FTE Coll. Date...	1967 ¹ 9/11	1968 9/9	1969 9/8	1970 9/10	1971 9/9	1972 9/7	1973 ² 9/10	1974 9/9	1975 9/8	1976 9/13	1977 ³ 9/12	1978 ⁴ 9/10	1979 ⁵ 9/7	1980 ⁶	1981 ⁷
Grades															
K	2.02250	2.02459	2.01854	2.01720	2.02063	2.03515	2.01502	2.01142	2.01870	2.01358	2.02404	2.03336	2.03175	2.04062	2.03354
1	1.00990	1.00801	1.00886	1.00608	1.00496	1.01535	1.00397	1.00723	1.01117	1.00653	1.00794	1.00690	1.01379	1.01263	1.01208
2	1.00689	1.00505	1.00709	1.00342	1.00749	1.00399	1.00388	1.00272	1.00734	1.00522	1.00468	1.00710	1.01043	1.00032	1.00209
3	1.00714	1.00749	1.00961	1.00430	1.00787	1.00881	1.00306	1.00605	1.00716	1.00456	1.00698	1.00645	1.00750	1.00771	1.00775
4	1.00620	1.00612	1.00705	1.00490	1.00493	1.00804	1.00298	1.00276	1.00683	1.00325	1.00829	1.00717	1.00808	1.00734	1.00626
5	1.00762	1.00609	1.00696	1.00711	1.00639	1.00863	1.00246	1.00390	1.00739	1.00506	1.00561	1.00681	1.00673	1.00792	1.00586
6	1.00631	1.00497	1.00859	1.00360	1.00564	1.00724	1.00421	1.00362	1.00719	1.00474	1.00643	1.00798	1.00765	1.00708	1.00814
7	1.00788	1.00727	1.00752	1.00393	1.00570	1.01000	1.00658	1.00345	1.00848	1.00711	1.00560	1.00591	1.00570	1.00697	1.00578
8	1.00925	1.00778	1.00715	1.00743	1.00969	1.01077	1.00724	1.00542	1.00687	1.00635	1.00748	1.00977	1.01070	1.00074	1.00847
9	1.00697	1.01062	1.01051	1.01094	1.00955	1.01159	1.00571	1.00663	1.01399	1.00857	1.01411	1.00869	1.00884	1.01140	1.01306
10	1.01214	1.01019	1.01798	1.01028	1.01092	1.01986	1.00714	1.01058	1.00632	1.00712	1.00904	1.00820	1.01245	1.01440	1.01521
11	1.00794	1.00675	1.00749	1.01076	1.00983	1.01450	1.00786	1.01049	1.01239	1.01044	1.01303	1.01940	1.01623	1.02268	1.02129
12	1.00862	1.00328	1.00941	1.00803	1.01260	1.02140	1.01249	1.02822	1.02727	1.02966	1.02599	1.03252	1.03617	1.03126	1.04503
1-6	1.00738	1.00644	1.00803	1.00491	1.00621	1.00860	1.00342	1.00435	1.00787	1.00492	1.00665	1.00706	1.00893	1.00844	1.00717
7-12	1.00881	1.00778	1.01001	1.00854	1.00965	1.01452	1.00772	1.01030	1.01219	1.01115	1.01240	1.01398	1.01466	1.01553	1.01796
1-8	1.00766	1.00671	1.00786	1.00510	1.00659	1.00907	1.00436	1.00437	1.00781	1.00542	1.00663	1.00727	1.00875	1.00829	1.00715
9-12	1.00894	1.00792	1.01145	1.01006	1.01067	1.01669	1.00815	1.01343	1.01453	1.01336	1.01520	1.01680	1.01612	1.01938	1.02348
7-8	1.00849	1.00752	1.00734	1.00568	1.00770	1.01038	1.00691	1.00444	1.00766	1.00672	1.00658	1.00789	1.00523	1.00785	1.00709
1-12	1.00806	1.00708	1.00899	1.00668	1.00792	1.01160	1.00565	1.00748	1.01016	1.00822	1.00966	1.01064	1.01201	1.01224	1.01265
K-12	1.04616	1.04396	1.04483	1.04032	1.03961	1.04423	1.03879	1.04407	1.04819	1.04542	1.04383	1.04453	1.04694	1.04790	1.04917

¹ Original headcount in computation included 1971 corrections; FTE data was not corrected.

² Original headcount computation included 1973 corrections; FTE data was not corrected.

³ 1977 October headcount from final May report received 9/13/78 and September FTE data received 8/9/78.

⁴ 1978 October headcount from final May report received 7/11/79 and September FTE data received 7/11/79.

⁵ 1979 October headcount from final May report received 8/26/80 and September FTE data received 8/16/80.

⁶ 1980 October headcount from final May report received 7/23/81 and September FTE data received 7/28/81.

⁷ 1981 October headcount from May report received 10/6/82 and September FTE data received 10/6/82.

USE: Each fall, once the primary and secondary schools open, it is necessary to estimate the average annual FTE enrollment for the school year and compare it to the projected average annual FTE enrollment prepared the previous fall used in the K-12 Budget. The Director of OFA is anxious to know if enough or too much money has been allocated. September enrollment is collected the 4th day in September.

September enrollment, by grade, times ratios of October heads/September FTE can provide a good estimate of October headcount by grade. This estimate of October headcount is:

1. Converted to an average annual FTE and compared to what was projected in the budget.

2. Used like actual October headcount and input as a base to project October headcount for 1-3 years. This provides an early projection of October headcount enrollment for the next few years. For budget purposes all of the projected October headcount enrollments are converted to average annuals. These early projections are produced to evaluate budgets for the coming years.

APPENDIX
TABLE 2

CONVERSION RATIOS USED TO DEVELOP AVERAGE ANNUAL FTE ENROLLMENT FOR SELECTED GRADES
STATE OF WASHINGTON
1968 to Present

	October Headcount (1)	Ann.Av. FTE (2)	October FTE (3)	Ann.Av.FTE/ Oct. H.C. Ratio (4)	Oct.FTE/ Oct. H.C. Ratio (5)	Ann.Av.FTE/ Oct. FTE Ratio (6)
1968-69						
1- 6	389,934	390,029.46	389,817.90	1.00024	.99970	1.00054
7-12	358,256	353,338.58	357,824.21	.98627	.99879	.98746
1- 8	515,208	515,177.17	515,058.21	.99994	.99971	1.00023
9-12	232,982	228,190.88	232,583.90	.97944	.99829	.98111
7- 8	125,274	125,147.71	125,240.31	.99899	.99973	.99926
1-12	748,190	743,368.05	747,642.11	.99356	.99927	.99428
K	56,563	28,356.94	28,281.50	.50133	.50000	1.00267
1969-70						
1- 6	394,834	393,612.68	394,701.40	.99691	.99966	.99724
7-12	369,357	363,805.66	368,956.50	.98497	.99892	.98604
1- 8	524,166	522,659.40	523,997.15	.99713	.99968	.99745
9-12	240,025	234,758.93	239,660.75	.97806	.99848	.97955
7- 8	129,332	129,046.72	129,295.75	.99779	.99972	.99807
1-12	764,191	757,418.33	763,657.90	.99114	.99930	.99183
K	56,274	28,130.86	28,137.00	.49991	.50000	.99978
1970-71						
1- 6	389,834	388,594.18	389,706.19	.99682	.99967	.99715
7-12	375,094	369,528.19	374,656.27	.98516	.99883	.98631
1- 8	520,097	518,521.80	519,913.22	.99697	.99965	.99732
9-12	244,831	239,600.58	244,449.24	.97864	.99844	.98016
7- 8	130,263	129,927.62	130,207.03	.99743	.99957	.99785
1-12	764,928	758,122.37	764,362.46	.99110	.99926	.99184
K	52,784	26,399.83	26,392.00	.50015	.50000	1.00030
1971-72						
1- 6	378,338	377,311.23	378,339.40	.99729	1.00000	.99728
7-12	377,648	371,000.57	377,000.46	.98240	.99829	.98409
1- 8	507,850	506,483.17	507,812.00	.99731	.99993	.99738
9-12	248,136	241,828.64	247,527.86	.97458	.99755	.97698
7- 8	129,512	129,171.93	129,472.60	.99737	.99970	.99768
1-12	755,986	748,311.80	755,339.86	.98985	.99915	.99070
K	48,946	24,467.94	24,472.75	.49990	.49999	.99980
1972-73						
1- 6	363,683	363,656.96	363,580.80	.99993	.99972	1.00021
7-12	377,710	371,063.52	376,981.17	.98240	.99807	.98430
1- 8	493,141	492,825.70	492,972.70	.99936	.99966	.99970
9-12	248,252	241,894.77	247,589.27	.97439	.99733	.97700
7- 8	129,458	129,168.74	129,391.90	.99777	.99949	.99828
1-12	741,393	734,720.47	740,561.97	.99100	.99888	.99211
K	49,109	24,648.36	24,553.50	.50191	.49998	1.00386

SOURCE: OFM/PEES Monthly Tracking (May) programs. Independently derived ratios may not match due to rounding of FTE data.

APPENDIX
TABLE 2 (cont.)

CONVERSION RATIOS USED TO DEVELOP AVERAGE ANNUAL FTE ENROLLMENT FOR SELECTED GRADES
STATE OF WASHINGTON
1968 to Present

	October Headcount (1)	Ann.Av. FTE (2)	October FTE (3)	Ann.Av.FTE/ Oct. H.C. Ratio (4)	Oct.FTE/ Oct. H.C. Ratio (5)	Ann.Av.FTE/ Oct. FTE Ratio (6)
1973-74						
1- 6	355,023	355,146.57	355,011.21	1.00035	.99997	1.00038
7-12	382,613	375,743.14	382,152.30	.98204	.99880	.98323
1- 8	487,177	487,151.69	487,119.61	.99995	.99988	1.00007
9-12	250,459	243,738.02	250,043.90	.97317	.99834	.97478
7- 8	132,154	132,005.12	132,108.40	.99887	.99965	.99922
1-12	737,636	730,889.71	737,163.51	.99085	.99936	.99149
K	50,179	25,195.19	25,152.05	.50211	.50125	1.00172
1974-75						
1- 6	344,896	345,341.81	344,866.96	1.00129	.99992	1.00138
7-12	384,909	376,909.17	382,976.75	.97922	.99498	.98416
1- 8	477,888	478,178.21	477,803.08	1.00061	.99982	1.00079
9-12	251,917	244,072.77	250,040.63	.96886	.99255	.97613
7- 8	132,992	132,836.41	132,936.12	.99883	.99958	.99925
1-12	729,805	722,250.98	727,843.71	.98965	.99731	.99232
K	55,111	27,806.20	27,632.55	.50455	.50140	1.00628
1975-76						
1- 6	341,149	341,286.99	341,148.55	1.00040	1.00000	1.00041
7-12	386,624	378,124.70	384,843.83	.97802	.99540	.98254
1- 8	472,440	472,396.21	472,433.06	.99991	.99999	.99992
9-12	255,333	247,015.48	253,559.32	.96742	.99305	.97419
7- 8	131,291	131,109.22	131,284.51	.99862	.99995	.99366
1-12	727,773	719,411.69	725,992.38	.98851	.99755	.99094
K	56,998	28,694.22	28,561.25	.50343	.50109	1.00466
1976-77						
1- 6	339,531	340,101.25	339,521.83	1.00168	.99997	1.00171
7-12	384,981	376,222.38	383,187.55	.97725	.99534	.98182
1- 8	467,283	467,785.36	467,252.09	1.00108	.99993	1.00114
9-12	257,229	248,538.28	255,457.29	.96621	.99311	.97292
7- 8	127,752	127,684.11	127,730.26	.99247	.99983	.99964
1-12	724,512	716,323.63	722,709.38	.98870	.99751	.99116
K	55,589	28,038.60	27,872.50	.50439	.50140	1.00596
1977-78						
1- 6	343,875	344,845.61	343,853.76	1.00282	.99994	1.00288
7-12	381,346	371,806.43	379,204.73	.97498	.99438	.98049
1- 8	466,915	467,664.93	466,868.66	1.00161	.99990	1.00171
9-12	258,306	248,987.10	256,189.83	.96392	.99181	.97189
7-8	123,040	122,819.32	123,014.90	.99821	.99980	.99841
1-12	725,221	716,652.03	723,058.49	.98818	.99702	.99114
K	50,673	25,433.37	25,392.30	.50191	.50110	1.00162

SOURCE: OFM/PEES Monthly Tracking (May) programs. Independently derived ratios may not match due to rounding to FTE data.

APPENDIX
TABLE 2 (cont.)

CONVERSION RATIOS USED TO DEVELOP AVERAGE ANNUAL FTE ENROLLMENT FOR SELECTED GRADES
STATE OF WASHINGTON
1968 to Present

	October Headcount (1)	Ann. Av. FTE (2)	October FTE (3)	Ann. Av. FTE/ Oct. H. C. Ratio (4)	Oct. FTE/ Oct. H. C. Ratio (5)	Ann. Av. FTE/ Oct. FTE Ratio (6)
1978-79						
1-6	345,945	347,216.88	345,922.45	1.00368	.99993	1.00374
7-12	373,688	362,663.06	371,138.58	.97050	.99318	.97716
1-8	463,388	464,430.59	463,334.21	1.00225	.99988	1.00237
9-12	256,245	245,449.34	253,726.82	.95787	.99017	.96738
7-8	117,443	117,213.71	117,411.76	.99805	.99973	.99831
1-12	719,633	709,879.93	717,061.03	.98645	.99643	.98999
K	49,515	25,036.93	24,810.05	.50462	.50005	1.00914
1979-80						
1-6	347,653	348,591.27	347,629.02	1.00270	.99993	1.00277
7-12	365,321	355,306.74	362,387.77	.97259	.99197	.98046
1-8	463,550	464,324.37	463,499.25	1.00167	.99989	1.00178
9-12	249,424	239,573.64	246,517.54	.96051	.98835	.97183
7-8	115,897	115,733.10	115,870.23	.99859	.99977	.99882
1-12	712,974	703,898.01	710,016.79	.98727	.99585	.99138
K	50,774	25,551.95	25,389.06	.50325	.50004	1.00642
1980-81						
1-6	346,156	346,926.37	346,133.67	1.00223	.99994	1.00229
7-12	359,325	349,951.92	356,509.18	.97391	.99216	.98161
1-8	463,248	463,714.11	463,161.07	1.00101	.99981	1.00119
9-12	242,233	233,164.18	239,481.78	.96256	.98864	.97362
7-8	117,092	116,787.74	117,027.40	.99740	.99945	.99795
1-12	705,481	696,878.29	702,642.85	.98781	.99598	.99180
K	51,091	25,738.09	25,551.90	.50377	.50013	1.00729
1981-82						
1-6	339,461	338,824.61	339,441.43	.99813	.99994	.99818
7-12	357,689	347,888.74	354,777.04	.97260	.99186	.98058
1-8	460,004	458,652.19	459,944.78	.99706	.99987	.99719
9-12	237,146	228,061.16	234,273.69	.96169	.98789	.97348
7-8	120,543	119,827.58	120,503.35	.99407	.99967	.99439
1-12	697,150	686,713.35	694,218.47	.98503	.99579	.98919
K	51,970	26,050.46	25,986.90	.50126	.50004	1.00245

SOURCE: OFM/PEES Monthly Tracking (May) programs. Independently derived ratios may not match due to rounding to FTE data.

APPENDIX
TABLE 3

FULL TIME EQUIVALENT ENROLLMENTS BY MONTH
FOR GRADES 1-12, 1-8, 9-12, 7-8, IN PUBLIC COMMON SCHOOLS¹
STATE OF WASHINGTON
1965-1966 TO 1981-1982

SCHOOL YEAR	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
<u>GRADES 1-12</u>									
1965-1966	673,906	675,715	674,341	673,225	762,083	671,885	671,687	671,098	671,549
1966-1967	694,306	698,765	698,156	697,965	697,749	698,029	697,803	697,193	697,281
1967-1968	719,773	725,070	724,141	723,149	722,419	723,137	722,770	721,923	721,910
1968-1969	742,927	747,642	745,321	744,139	743,387	743,242	742,260	741,062	740,332
1969-1970	757,385	763,658	760,134	758,734	757,403	757,622	755,286	754,027	752,516
1970-1971	759,850	764,362	761,440	759,895	758,127	756,861	756,163	753,752	752,651
1971-1972 ²	750,042	755,340	752,200	750,337	748,709	747,229	745,746	743,473	741,731
1972-1973 ²	732,888	740,562	737,934	735,932	735,105	734,424	733,133	731,871	730,635
1973-1974	733,495	737,164	734,193	732,254	730,845	729,991	728,052	726,838	725,175
1974-1975 ²	724,387	727,844	725,206	723,206	722,342	721,523	720,039	718,584	717,127
1975-1976	720,453	725,992	723,226	721,323	720,637	718,510	716,860	714,839	712,865
1976-1977	718,603	722,709	719,659	718,359	716,677	715,519	714,253	711,402	710,090
1977-1978	718,279	723,059	720,637	718,537	716,875	716,359	714,346	711,838	709,938
1978-1979	712,054	717,061	713,699	711,678	710,186	709,732	707,077	705,013	702,421
1979-1980	704,513	710,017	706,858	705,030	703,815	703,360	702,531	700,471	698,487
1980-1981	696,951	702,643	699,937	698,496	697,501	697,178	695,348	693,033	690,817
1981-1982	688,442	694,218	691,264	688,988	686,952	685,665	684,581	681,679	678,631
<u>GRADES 1-8</u>									
1965-1966	467,007	468,730	468,484	468,484	468,145	468,976	469,475	470,145	471,435
1966-1967	482,559	486,212	486,411	487,127	487,840	488,505	489,057	489,760	490,822
1967-1968	497,851	501,491	501,138	502,309	503,626	504,237	504,975	505,999	507,115
1968-1969	511,776	515,058	514,778	514,934	515,104	515,594	515,842	516,395	517,115
1969-1970	520,078	523,997	522,961	522,885	522,858	523,014	522,454	522,786	522,902
1970-1971	517,458	519,913	519,001	518,746	518,364	518,271	518,169	518,148	518,625
1971-1972 ²	504,526	507,812	506,866	506,780	506,660	506,376	506,286	506,428	506,616
1972-1973 ²	488,710	492,973	492,686	492,534	492,673	493,065	493,385	494,337	495,067
1973-1974	485,061	487,120	486,918	486,930	486,785	487,144	487,391	488,344	488,672
1974-1975 ²	475,808	477,803	477,531	477,501	477,785	478,379	478,845	479,599	480,352
1975-1976	468,777	472,433	472,271	472,073	472,789	472,568	472,913	473,564	474,178
1976-1977	464,766	467,252	466,988	467,572	467,637	468,235	468,779	469,788	470,951
1977-1978	463,841	466,869	467,203	467,353	467,408	468,121	468,610	469,454	470,126
1978-1979	460,042	463,334	463,975	464,047	464,622	465,179	465,445	466,301	466,930
1979-1980	459,528	463,499	463,698	463,989	464,402	464,973	465,621	466,274	466,935
1980-1981	459,439	463,161	463,764	463,576	464,238	464,427	464,724	465,243	465,355
1981-1982	456,737	459,945	459,515	459,149	458,715	458,552	458,441	458,492	458,326
<u>GRADES 9-12</u>									
1965-1966	206,899	206,985	205,857	204,741	203,938	202,909	202,212	200,953	200,114
1966-1967	211,747	212,553	211,745	210,838	209,909	209,524	208,746	207,433	206,459
1967-1968	221,922	223,579	223,003	220,840	219,686	219,511	218,533	216,948	215,911
1968-1969	231,151	232,584	230,543	229,205	228,283	227,648	226,418	224,667	223,217
1969-1970	237,307	239,661	237,173	235,849	234,545	234,608	232,832	231,241	229,614
1970-1971	242,392	244,449	242,439	241,149	239,763	238,590	237,994	235,604	234,026
1971-1972 ²	245,516	247,528	245,334	243,557	242,049	240,853	239,460	237,045	235,115
1972-1973 ²	244,178	247,589	245,248	243,398	242,432	241,359	239,748	237,534	235,568
1973-1974	248,434	250,044	247,275	245,324	244,060	242,847	240,661	238,494	236,503
1974-1975 ²	248,579	250,041	247,675	245,705	244,557	243,144	241,194	238,985	236,775
1975-1976	251,676	253,559	250,955	249,250	247,848	245,942	243,947	241,275	238,687
1976-1977	253,837	255,457	252,671	250,787	249,040	247,284	245,474	242,254	240,039
1977-1978	254,438	256,190	253,434	251,184	249,467	248,238	246,736	244,384	242,812
1978-1979	252,012	253,727	249,724	247,631	245,564	244,553	243,712	241,951	240,401
1979-1980	244,985	246,518	243,160	241,042	239,414	238,387	236,910	234,197	232,451
1980-1981	237,512	239,482	236,673	234,920	233,263	232,751	230,624	227,789	225,463
1981-1982	231,786	234,274	231,750	229,839	228,238	227,113	226,148	223,187	220,305
<u>GRADES 7-8</u>									
1965-1966	113,813	114,154	114,282	114,279	114,137	114,487	114,380	114,335	114,472
1966-1967	117,834	118,493	118,516	118,744	118,890	118,996	119,122	119,126	119,251
1967-1968	120,358	121,342	120,598	121,692	121,617	121,825	121,912	121,919	122,005
1968-1969	124,339	125,240	125,200	125,145	125,211	125,279	125,315	125,282	125,320
1969-1970	128,390	129,296	129,211	129,265	129,101	129,177	129,022	129,032	128,926
1970-1971	129,527	130,207	130,088	130,072	129,985	129,937	129,978	129,807	129,747
1971-1972 ²	128,523	129,473	129,408	129,368	129,300	129,247	129,159	129,057	128,914
1972-1973 ²	128,127	129,392	129,230	129,193	129,219	129,172	129,357	129,382	129,446
1973-1974	131,247	132,109	132,101	132,107	132,035	132,076	132,149	132,157	132,065
1974-1975 ²	132,404	132,936	132,846	132,794	132,817	132,435	133,015	133,128	133,151
1975-1976	130,292	131,284	131,278	131,203	131,250	131,232	131,116	131,138	131,190
1976-1977	126,899	127,730	127,682	127,779	127,730	127,851	127,863	127,773	127,889
1977-1978	122,236	123,015	122,998	122,944	122,795	122,924	122,887	122,758	122,816
1978-1979	116,523	117,412	117,522	117,353	117,308	117,413	117,267	117,066	117,060
1979-1980	114,951	115,870	115,882	115,868	115,796	115,856	115,938	115,793	115,643
1980-1981	116,180	117,027	116,958	116,926	116,890	116,880	116,839	116,846	116,543
1981-1982	119,694	120,503	120,295	120,107	119,846	119,701	119,573	119,456	119,271

APPENDIX
TABLE 3 (Cont.)

FULL TIME EQUIVALENT ENROLLMENTS BY MONTH
FOR GRADES 1-12, 1-8, 9-12, 7-8, IN PUBLIC COMMON SCHOOLS¹
STATE OF WASHINGTON
1965-1966 TO 1981-1982

SCHOOL YEAR	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
<u>GRADES 1-6</u>									
1965-1966	353,194	354,576	354,202	354,205	354,008	354,489	355,095	355,810	356,963
1966-1967	364,725	367,719	367,895	368,383	368,950	369,509	369,935	370,634	371,571
1967-1968	377,493	380,149	380,540	380,617	381,116	381,801	382,325	383,056	383,994
1968-1969	387,437	389,818	389,578	389,789	389,893	390,315	390,527	391,113	391,795
1969-1970	391,688	394,701	393,750	393,620	393,757	393,837	393,432	393,754	393,976
1970-1971	387,931	389,706	388,913	388,674	388,379	388,334	388,191	388,341	388,878
1971-1972 ²	376,003	378,339	377,458	377,412	377,360	377,129	377,127	377,371	377,602
1972-1973 ²	360,583	363,581	363,456	363,341	363,454	363,893	364,028	364,955	365,621
1973-1974	353,814	355,011	354,817	354,823	354,750	355,068	355,242	356,187	356,607
1974-1975 ³	343,404	344,867	344,685	344,707	344,968	345,944	345,830	346,471	347,201
1975-1976	338,485	341,149	340,993	340,870	341,539	341,336	341,797	342,426	342,988
1976-1977	337,867	339,522	339,306	339,793	339,907	340,384	340,896	341,075	342,162
1977-1978	341,605	343,854	344,205	344,409	344,613	345,197	345,723	346,656	347,310
1978-1979	343,519	345,922	346,453	346,694	347,314	347,766	348,178	349,235	349,870
1979-1980	344,577	347,629	347,816	348,120	348,605	349,117	349,683	350,482	351,292
1980-1981	343,259	346,134	346,306	346,650	347,349	347,547	347,885	348,397	348,812
1981-1982	337,043	339,441	339,220	339,041	338,868	338,850	338,867	339,036	339,054

<u>GRADES 7-12</u>									
1965-1966	320,712	321,139	320,139	319,020	318,075	317,396	316,592	315,288	314,586
1966-1967	329,581	331,046	330,261	329,582	328,799	328,520	327,868	326,559	325,710
1967-1968	342,280	344,921	343,601	342,532	341,303	341,336	340,445	338,867	337,916
1968-1969	355,490	357,824	355,743	354,350	353,494	352,927	351,733	349,949	348,537
1969-1970	365,697	368,957	366,384	365,114	363,646	363,785	361,854	360,273	358,540
1970-1971	371,919	374,656	372,527	371,221	369,748	368,527	367,972	365,411	363,773
1971-1972 ²	374,039	377,001	374,742	372,925	371,349	370,100	368,619	366,102	364,129
1972-1973 ²	372,305	376,981	374,478	372,591	371,651	370,531	369,105	366,916	365,014
1973-1974	379,681	382,153	379,376	377,431	376,095	374,923	372,810	370,651	368,568
1974-1975 ³	380,983	382,977	380,521	378,499	377,374	375,579	374,209	372,113	369,926
1975-1976	381,968	384,843	382,233	380,453	379,098	377,174	375,063	372,413	369,877
1976-1977	380,736	383,187	380,353	378,566	376,770	375,135	373,357	369,967	367,928
1977-1978	376,674	379,205	376,432	374,128	372,262	371,162	368,623	365,142	362,628
1978-1979	368,535	371,139	367,246	364,984	362,872	361,966	358,898	355,778	352,551
1979-1980	359,936	362,388	359,042	356,910	355,210	354,243	352,848	349,989	347,196
1980-1981	353,692	356,509	353,631	351,846	350,153	349,631	347,464	344,636	342,006
1981-1982	351,400	354,777	352,045	349,946	348,084	346,815	345,713	342,643	339,577

<u>KINDERGARTEN</u>									
1965-1966	23,235	23,500	23,503	23,484	23,484	23,694	23,804	23,775	23,689
1966-1967	26,595	27,069	27,230	27,292	27,346	27,422	27,571	27,563	27,497
1967-1968	28,090	28,411	28,497	28,600	28,690	28,798	28,942	28,926	28,926
1968-1969	27,938	28,282	28,344	28,342	28,332	28,412	28,508	28,524	28,531
1969-1970	27,878	28,137	28,133	28,096	28,126	28,166	28,207	28,258	28,186
1970-1971	26,167	26,392	26,383	26,424	26,430	26,413	26,490	26,504	26,405
1971-1972 ³	24,223	24,473	24,465	24,461	24,499	24,505	24,523	24,567	24,496
1972-1973 ³	24,130	24,554	24,554	24,560	24,628	24,704	24,784	24,947	24,975
1973-1974 ³	24,902	25,152	25,247	25,128	25,118	25,224	25,244	25,382	25,360
1974-1975 ^{3,4}	27,399	27,632	27,647	27,599	27,758	27,963	28,025	28,109	28,123
1975-1976 ^{3,5}	28,235	28,561	28,576	28,419	28,570	28,852	28,937	29,076	29,022
1976-1977	27,607	27,873	27,905	27,778	28,036	28,213	28,258	28,344	28,335
1977-1978	25,036	25,392	25,377	25,317	25,406	25,504	25,536	25,670	25,663
1978-1979	24,401	24,810	24,984	24,975	25,118	25,210	25,249	25,290	25,295
1979-1980	24,990	25,389	25,490	25,477	25,601	25,689	25,742	25,766	25,824
1980-1981	25,037	25,552	25,611	25,695	25,768	25,927	25,939	26,019	26,044
1981-1982	25,569	25,987	26,018	26,040	26,089	26,182	26,191	26,289	26,171

¹These enrollments were rounded, by grade, and will not necessarily match other enrollment for grade groups in this report that were derived from unrounded data.

²Ungraded handicapped students not included.

³Adjusted to represent FTE students.

⁴October and November data incorporate correction not shown in published SPI reports.

⁵February data incorporates correction not shown in published SPI reports.

SOURCE: SPI

APPENDIX
TABLE 4
FULL TIME EQUIVALENT ENROLLMENTS AS A PERCENT OF
OCTOBER ENROLLMENT BY MONTH
FOR SELECTED GRADE GROUPS, PUBLIC COMMON SCHOOLS
STATE OF WASHINGTON
1965-1966 TO 1981-1982

SCHOOL YEAR	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
<u>GRADES 1-12</u>									
1965-1966	99.73	100.00	99.80	99.63	99.46	99.43	99.40	99.32	99.38
1966-1967	99.36	100.00	99.91	99.89	99.85	99.89	99.86	99.78	99.79
1967-1968	99.27	100.00	99.87	99.74	99.63	99.73	99.68	99.57	99.56
1968-1969	99.37	100.00	99.69	99.53	99.43	99.41	99.28	99.12	99.02
1969-1970	99.18	100.00	99.54	99.36	99.18	99.21	98.90	98.74	98.54
1970-1971	99.41	100.00	99.62	99.42	99.18	99.02	98.93	98.61	98.47
1971-1972	99.30	100.00	99.58	99.34	99.12	98.93	98.73	98.43	98.20
1972-1973	98.96	100.00	99.65	99.37	99.26	99.17	99.00	98.83	98.66
1973-1974	99.50	100.00	99.60	99.33	99.14	99.03	98.76	98.60	98.37
1974-1975	99.52	100.00	99.64	99.36	99.24	99.13	98.93	98.73	98.53
1975-1976	99.24	100.00	99.62	99.36	99.26	98.97	98.74	98.46	98.19
1976-1977	99.43	100.00	99.58	99.40	99.17	99.01	98.83	98.39	98.25
1977-1978	99.34	100.00	99.67	99.38	99.14	99.07	98.80	98.45	98.19
1978-1979	99.30	100.00	99.53	99.25	99.04	98.98	98.61	98.32	97.96
1979-1980	99.22	100.00	99.56	99.30	99.13	99.06	98.95	98.66	98.38
1980-1981	99.19	100.00	99.61	99.41	99.27	99.22	98.96	98.63	98.32
1981-1982	99.17	100.00	99.57	99.25	98.95	98.77	98.61	98.19	97.75
<u>GRADES 1-8</u>									
1965-1966	99.63	100.00	99.95	99.95	99.88	100.05	100.16	100.30	100.58
1966-1967	99.25	100.00	100.04	100.19	100.33	100.47	100.59	100.73	100.95
1967-1968	99.27	100.00	99.93	100.16	100.25	100.43	100.55	100.69	100.90
1968-1969	99.36	100.00	99.95	99.98	100.01	100.10	100.15	100.26	100.40
1969-1970	99.25	100.00	99.80	99.79	99.78	99.81	99.71	99.77	99.79
1970-1971	99.53	100.00	99.82	99.78	99.70	99.68	99.66	99.66	99.75
1971-1972	99.35	100.00	99.81	99.80	99.77	99.72	99.70	99.73	99.76
1972-1973	99.14	100.00	99.94	99.91	99.94	100.02	100.08	100.28	100.42
1973-1974	99.58	100.00	99.96	99.96	99.93	100.00	100.06	100.25	100.32
1974-1975	99.58	100.00	99.94	99.94	100.00	100.12	100.22	100.38	100.53
1975-1976	99.23	100.00	99.97	99.92	100.08	100.03	100.10	100.24	100.37
1976-1977	99.47	100.00	99.94	100.07	100.08	100.21	100.33	100.33	100.60
1977-1978	99.35	100.00	100.07	100.10	100.12	100.27	100.37	100.55	100.70
1978-1979	99.29	100.00	100.14	100.15	100.28	100.40	100.46	100.64	100.78
1979-1980	99.14	100.00	100.04	100.11	100.19	100.32	100.46	100.60	100.74
1980-1981	99.20	100.00	100.02	100.09	100.23	100.27	100.34	100.45	100.47
1981-1982	99.30	100.00	99.91	99.83	99.73	99.70	99.67	99.68	99.65
<u>GRADES 9-12</u>									
1965-1966	99.96	100.00	99.46	98.92	98.53	98.03	97.69	97.09	96.68
1966-1967	99.62	100.00	99.62	99.19	98.76	98.57	98.21	97.59	97.13
1967-1968	99.26	100.00	99.74	98.77	98.26	98.18	97.74	97.03	96.57
1968-1969	99.38	100.00	99.12	98.55	98.15	97.88	97.35	96.60	95.97
1969-1970	99.02	100.00	98.96	98.41	97.87	97.89	97.15	96.49	95.81
1970-1971	99.16	100.00	99.18	98.65	98.08	97.60	97.36	96.38	95.74
1971-1972	99.19	100.00	99.11	98.40	97.79	97.30	96.74	95.76	94.99
1972-1973	98.62	100.00	99.05	98.31	97.92	97.48	96.83	95.94	95.14
1973-1974	99.36	100.00	98.89	98.11	97.61	97.12	96.25	95.38	94.58
1974-1975	99.42	100.00	99.05	98.27	97.81	97.24	96.46	95.58	94.69
1975-1976	99.26	100.00	98.97	98.30	97.75	97.00	96.21	95.16	94.13
1976-1977	99.37	100.00	98.91	98.17	97.49	96.80	96.09	94.83	93.96
1977-1978	99.32	100.00	98.92	98.05	97.38	96.90	95.92	94.61	93.61
1978-1979	99.32	100.00	98.42	97.60	96.78	96.38	95.23	94.08	92.81
1979-1980	99.38	100.00	98.64	97.78	97.12	96.70	96.10	95.00	93.93
1980-1981	99.18	100.00	98.83	98.10	97.40	97.19	96.30	95.12	94.15
1981-1982	98.90	100.00	98.92	98.11	97.42	96.94	96.53	95.27	94.04
<u>GRADES 7-8</u>									
1965-1966	99.70	100.00	100.11	100.11	99.99	100.29	100.20	100.16	100.28
1966-1967	99.44	100.00	100.02	100.21	100.34	100.42	100.53	100.53	100.64
1967-1968	99.19	100.00	99.39	100.29	100.23	100.40	100.47	100.48	100.55
1968-1969	99.28	100.00	99.97	99.92	99.98	100.03	100.06	100.03	100.06
1969-1970	99.30	100.00	99.93	99.98	99.85	99.91	99.79	99.80	99.71
1970-1971	99.48	100.00	99.91	99.90	99.83	99.79	99.82	99.69	99.65
1971-1972	99.27	100.00	99.95	99.92	99.87	99.83	99.76	99.68	99.65
1972-1973	99.02	100.00	99.87	99.85	99.87	99.83	99.97	99.99	100.04
1973-1974	99.35	100.00	99.99	100.00	99.94	99.98	100.03	100.04	99.97
1974-1975	99.60	100.00	99.94	99.89	99.91	99.62	100.06	100.14	100.16
1975-1976	99.24	100.00	100.00	99.94	99.97	99.96	99.87	99.89	99.93
1976-1977	99.35	100.00	99.96	100.04	100.00	100.09	100.12	99.99	100.12
1977-1978	99.37	100.00	99.99	99.94	99.82	99.93	99.90	99.79	99.84
1978-1979	99.24	100.00	100.09	99.95	99.91	100.00	99.88	99.71	99.70
1979-1980	99.21	100.00	100.01	100.00	99.94	99.99	100.06	99.93	99.80
1980-1981	99.28	100.00	99.94	99.91	99.88	99.87	99.84	99.85	99.59
1981-1982	99.33	100.00	99.83	99.67	99.45	99.33	99.23	99.13	98.98

SOURCE: Final May Monthly Tracking Program.

APPENDIX
TABLE # (Cont.)

FULL TIME EQUIVALENT ENROLLMENTS AS A PERCENT OF
OCTOBER ENROLLMENT BY MONTH
FOR SELECTED GRADE GROUPS, PUBLIC COMMON SCHOOLS
STATE OF WASHINGTON
1965-1966 TO 1981-1982

SCHOOL YEAR	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
<u>GRADES 1-6</u>									
1965-1966	99.61	100.00	99.89	99.90	99.84	99.98	100.15	100.35	100.67
1966-1967	99.19	100.00	100.05	100.18	100.33	100.49	100.60	100.79	101.05
1967-1968	99.30	100.00	100.10	100.12	100.25	100.43	100.57	100.76	101.01
1968-1969	99.39	100.00	99.94	99.99	100.02	100.13	100.18	100.33	100.51
1969-1970	99.24	100.00	99.76	99.73	99.76	99.78	99.68	99.76	99.82
1970-1971	99.54	100.00	99.80	99.74	99.66	99.65	99.61	99.65	99.79
1971-1972	99.38	100.00	99.77	99.75	99.74	99.68	99.68	99.74	99.81
1972-1973	99.18	100.00	99.97	99.94	99.97	100.09	100.12	100.38	100.56
1973-1974	99.66	100.00	99.95	99.95	99.93	100.02	100.07	100.33	100.45
1974-1975	99.58	100.00	99.95	99.95	100.03	100.31	100.28	100.46	100.68
1975-1976	99.22	100.00	99.95	99.92	100.11	100.05	100.19	100.37	100.54
1976-1977	99.51	100.00	99.94	100.08	100.11	100.25	100.40	100.46	100.78
1977-1978	99.35	100.00	100.10	100.16	100.22	100.39	100.54	100.83	101.01
1978-1979	99.31	100.00	100.15	100.22	100.40	100.53	100.65	100.85	101.14
1979-1980	99.12	100.00	100.05	100.14	100.28	100.43	100.59	100.82	101.05
1980-1981	99.17	100.00	100.05	100.15	100.35	100.41	100.51	100.65	100.77
1981-1982	99.29	100.00	99.93	99.88	99.83	99.83	99.83	99.88	99.89
<u>GRADES 7-12</u>									
1965-1966	99.87	100.00	99.69	99.34	99.05	99.83	98.58	98.16	97.96
1966-1967	99.56	100.00	99.76	99.56	99.32	99.24	99.04	98.64	98.39
1967-1968	99.23	100.00	99.62	99.31	98.95	98.96	98.70	98.24	97.97
1968-1969	99.35	100.00	99.42	99.03	98.79	98.63	98.30	97.80	97.40
1969-1970	99.12	100.00	99.30	98.96	98.56	98.60	98.07	97.65	97.18
1970-1971	99.27	100.00	99.43	99.08	98.69	98.36	98.22	97.53	97.10
1971-1972	99.21	100.00	99.40	98.92	98.50	98.17	97.78	97.11	96.59
1972-1973	98.76	100.00	99.34	98.84	98.59	98.29	97.91	97.33	96.83
1973-1974	99.35	100.00	99.27	98.76	98.41	98.11	97.56	96.99	96.45
1974-1975	99.48	100.00	99.36	98.83	98.54	98.07	97.71	97.16	96.59
1975-1976	99.25	100.00	99.32	98.86	98.51	98.01	97.46	96.77	96.11
1976-1977	99.36	100.00	99.26	98.79	98.33	97.90	97.44	96.55	96.02
1977-1978	99.33	100.00	99.27	98.66	98.17	97.88	97.21	96.29	95.63
1978-1979	99.30	100.00	98.95	98.34	97.77	97.53	96.70	95.86	94.99
1979-1980	99.32	100.00	99.08	98.49	98.02	97.75	97.37	96.58	95.81
1980-1981	99.21	100.00	99.19	98.69	98.22	98.07	97.46	96.67	95.93
1981-1982	99.05	100.00	99.23	98.64	98.11	97.76	97.45	96.58	95.72
<u>KINDERGARTEN</u>									
1965-1966	98.87	100.00	100.01	99.93	99.93	100.83	101.29	101.17	100.80
1966-1967	98.25	100.00	100.59	100.82	101.02	101.30	101.85	101.82	101.58
1967-1968	98.87	100.00	100.30	100.67	100.98	101.36	101.87	101.81	101.81
1968-1969	98.78	100.00	100.22	100.21	100.18	100.46	100.80	100.86	100.88
1969-1970	99.08	100.00	99.99	99.85	99.96	100.10	100.25	100.43	100.17
1970-1971	99.15	100.00	99.97	100.12	100.14	100.08	100.37	100.42	100.05
1971-1972	98.98	100.00	99.97	99.95	100.11	100.13	100.20	100.38	100.09
1972-1973	98.27	100.00	100.00	100.02	100.30	100.61	100.94	101.60	101.71
1973-1974	99.01	100.00	100.38	99.90	99.86	100.28	100.36	100.91	100.83
1974-1975	99.16	100.00	100.05	99.88	100.46	101.20	101.42	101.72	101.78
1975-1976	98.86	100.00	100.05	99.50	100.03	101.02	101.32	101.80	101.61
1976-1977	99.05	100.00	100.12	99.66	100.59	101.22	101.38	101.69	101.66
1977-1978	98.60	100.00	99.94	99.71	100.05	100.44	100.56	101.09	101.07
1978-1979	98.35	100.00	100.70	100.67	101.24	101.61	101.77	101.94	101.96
1979-1980	98.43	100.00	100.40	100.35	100.93	101.18	101.39	101.48	101.71
1980-1981	97.90	100.00	100.23	100.56	100.85	101.47	101.71	101.83	101.93
1981-1982	98.39	100.00	100.12	100.20	100.39	100.75	100.79	100.85	100.71

SOURCE: Final May Monthly Tracking Program

APPENDIX
TABLE 5

OCTOBER HEADCOUNT ENROLLMENT AND GRADE SUCCESSION RATES
PUBLIC SCHOOLS, STATE OF WASHINGTON, 1952-PRESENT

YEAR	LIVE BIRTHS	GRADES											
		1	2	3	4	5	6	7	8	9	10	11	12
1953	58230.	57300.	45410.	40395.	40823.	40910.	37342.	32930.	31861.	30698.	29323.	25252.	21030.
1954	55460.	53342.	55980.	45395.	40463.	40382.	41053.	37412.	33642.	32634.	30127.	27105.	22502.
1955	56433.	53239.	52702.	55663.	44786.	40269.	40298.	41198.	37216.	33670.	31378.	27822.	24132.
1956	55755.	53058.	51982.	52179.	54759.	44389.	40215.	40706.	40758.	37117.	32704.	28973.	24373.
1957	57994.	55417.	52641.	52238.	52092.	55023.	44557.	40502.	40491.	41424.	36976.	30389.	26042.
1958	61436.	57976.	54131.	52413.	52140.	52212.	54790.	45079.	40285.	41092.	41306.	34577.	27362.
1959	61571.	58559.	56037.	53209.	51606.	51577.	51962.	54773.	44580.	40825.	40549.	38417.	31573.
1960	62703.	58981.	57007.	55867.	53210.	51874.	51856.	52716.	55116.	46025.	40747.	38460.	35182.
1961	62290.	59897.	57802.	56654.	55731.	53157.	51988.	52452.	52801.	56619.	45965.	38645.	35682.
1962	64999.	61721.	58630.	57832.	56609.	56031.	53584.	52814.	52534.	54144.	56149.	43728.	35097.
1963	65982.	61746.	59558.	57653.	57157.	56586.	55863.	54007.	52646.	53828.	54082.	40497.	40621.
1964	65574.	61146.	59443.	58612.	56974.	56863.	56211.	56249.	53799.	53843.	55555.	51668.	50208.
1965	65729.	61962.	59203.	59018.	58569.	57375.	57227.	56773.	56032.	54972.	53979.	51772.	48768.
1966	65251.	64507.	61656.	60489.	60617.	60126.	59069.	58979.	57939.	58336.	55882.	52421.	48797.
1967	65013.	67422.	63992.	62560.	62190.	62337.	61771.	60945.	60436.	60206.	59339.	54549.	49803.
1968	64812.	68390.	66024.	64611.	63703.	63458.	63748.	63273.	62001.	62495.	61277.	57699.	51511.
1969	61013.	66995.	66641.	66500.	65375.	64739.	64720.	65164.	64168.	63722.	62771.	59484.	54048.
1970	57148.	63824.	63952.	65849.	66123.	65297.	64789.	65040.	65223.	65266.	63807.	60298.	55460.
1971	52806.	58380.	60905.	63111.	65052.	65844.	65159.	64680.	64832.	65968.	64934.	60851.	56383.
1972	51777.	54909.	56126.	60271.	62390.	64337.	65650.	65075.	64383.	65343.	65567.	61455.	55887.
1973	54875.	55518.	53631.	56540.	60675.	63180.	65479.	66365.	65789.	65757.	65524.	62247.	56931.
1974	57206.	55574.	53518.	53778.	56762.	61120.	63744.	66226.	66766.	66991.	65936.	62084.	56906.
1975	59354.	58865.	54358.	54177.	54190.	57389.	62170.	64751.	66540.	68264.	66825.	62639.	57605.
1976	60499.	60628.	57286.	54409.	54436.	54793.	57979.	62791.	64961.	67961.	67440.	63471.	58357.
1977	55304.	59937.	59837.	57869.	55313.	55259.	55660.	59402.	63638.	66481.	67770.	64650.	59405.
1978	48250.	54599.	59069.	60558.	58721.	56503.	56495.	56990.	60453.	65207.	66074.	64302.	60662.
1979	47636.	53603.	54227.	60246.	61788.	59909.	57880.	58052.	57845.	61788.	64618.	62929.	60089.
1980	50096.	54707.	52369.	54781.	60800.	62616.	60883.	58760.	58332.	59165.	61430.	62069.	59569.
1981	50821.	54713.	52782.	52400.	55165.	61087.	63314.	61738.	58805.	60024.	58918.	58861.	59343.
1982	53004.	54618.	52121.	51826.	51970.	54748.	60926.	63413.	61077.	61030.	59068.	56231.	56346.

SURVIVAL OR GRADE SUCCESSION RATES

YEAR	BIRTH-1	FOR GRADES										
		1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1953	0.98403											
1954	0.96181	0.97696	0.99967	1.00168	0.98920	1.00350	1.00187	1.02162	1.02426	0.98140	0.92436	0.89110
1955	0.94340	0.98800	0.99434	0.98658	0.99521	0.99792	1.00353	0.99476	1.00083	0.96151	0.92349	0.89032
1956	0.95163	0.97639	0.99008	0.98376	0.99114	0.99866	1.01012	0.98932	0.99734	0.97131	0.92335	0.87603
1957	0.95556	0.99214	1.00492	0.99833	1.00482	1.00378	1.00714	0.99472	1.01634	0.99620	0.92921	0.89884
1958	0.94368	0.97679	0.99567	0.99812	1.00230	0.99577	1.01171	0.99464	1.01484	0.99715	0.93512	0.90039
1959	0.95108	0.96656	0.98297	0.98460	0.98920	0.99521	0.99969	0.98893	1.01340	0.98679	0.93006	0.91312
1960	0.94064	0.97350	0.99697	1.00002	1.00519	1.00541	1.01451	1.00626	1.03241	0.99809	0.94848	0.91579
1961	0.96158	0.98001	0.99381	0.99757	0.99900	1.00220	1.01149	1.00161	1.02727	0.99870	0.94841	0.92777
1962	0.94957	0.97885	1.00052	0.99921	1.00538	1.00803	1.01589	1.00156	1.02543	0.99170	0.95133	0.92372
1963	0.93580	0.96496	0.98334	0.98833	0.99959	0.99700	1.00789	0.99682	1.02463	0.99885	0.95277	0.92895
1964	0.93247	0.96270	0.98412	0.98822	0.99486	0.99337	1.00691	0.99615	1.02274	0.99896	0.95536	0.93852
1965	0.94269	0.96822	0.99285	0.99927	1.00704	1.00640	1.01000	0.99614	1.02180	1.00253	0.96281	0.94387
1966	0.93860	0.99506	1.02172	1.02709	1.02658	1.02952	1.03061	1.02054	1.04112	1.01655	0.97114	0.94254
1967	1.01705	0.99202	1.01466	1.02812	1.02837	1.02736	1.03176	1.02470	1.03913	1.01719	0.97615	0.95006
1968	1.05521	0.97926	1.00967	1.01827	1.02039	1.02263	1.02431	1.01733	1.03407	1.01779	0.97236	0.94431
1969	1.09804	0.97443	1.00721	1.01182	1.01626	1.01989	1.02221	1.01414	1.02776	1.00442	0.97074	0.93672
1970	1.11682	0.95458	0.98812	0.99433	0.99881	1.00077	1.00494	1.00091	1.01711	1.00133	0.96060	0.93235
1971	1.10356	0.95426	0.98685	0.98790	0.99584	0.99789	0.99832	0.99680	1.01142	0.99491	0.95367	0.93507
1972	1.06049	0.96139	0.98959	0.98858	0.98901	0.99699	0.99871	0.99541	1.00788	0.99392	0.94642	0.91842
1973	1.01172	0.97673	1.00738	1.00670	1.01266	1.01775	1.01089	1.01097	1.02134	1.00277	0.94936	0.92639
1974	0.97147	0.97118	1.00274	1.00393	1.00733	1.00893	1.01141	1.00604	1.01827	1.00272	0.94750	0.91420
1975	0.99176	0.97812	1.00480	1.00768	1.01105	1.01718	1.01580	1.00474	1.02244	0.99752	0.95000	0.92786
1976	1.00213	0.97318	1.00094	1.00478	1.01113	1.01028	1.00999	1.00324	1.02135	0.98793	0.94981	0.93164
1977	1.08377	0.98695	1.01018	1.01661	1.01512	1.01582	1.02454	1.01349	1.02340	0.99719	0.95863	0.93594
1978	1.13159	0.98552	1.01205	1.01472	1.02151	1.02237	1.02389	1.01769	1.02465	0.99388	0.94883	0.93831
1979	1.12526	0.99319	1.01993	1.02031	1.02023	1.02437	1.02756	1.01500	1.02208	0.99097	0.95240	0.93448
1980	1.09204	0.97698	1.01022	1.00920	1.01340	1.01626	1.01520	1.00482	1.02282	0.99421	0.96055	0.94661
1981	1.07658	0.96481	1.00059	1.00701	1.00472	1.01115	1.01404	1.00077	1.02901	0.99583	0.95818	0.95608
1982	1.03045	0.95263	0.98189	0.99179	0.99244	0.99736	1.00156	0.98929	1.03784	0.98407	0.95439	0.95727

APPENDIX
TABLE 6

OCTOBER HEADCOUNT ENROLLMENT AND GRADE SUCCESSION RATES
PRIVATE SCHOOLS, STATE OF WASHINGTON, 1960-PRESENT

YEAR	LIVE BIRTHS	GRADES											
		1	2	3	4	5	6	7	8	9	10	11	12
1960	62703.	5874.	5995.	6044.	5656.	5384.	5238.	5108.	4994.	3430.	2784.	2547.	2366.
1961	62290.	6041.	6010.	5966.	6014.	5651.	5400.	5247.	5035.	3722.	2982.	2617.	2351.
1962	64999.	6189.	6154.	5902.	5832.	5833.	5552.	5290.	5030.	3593.	3206.	2726.	2398.
1963	65982.	6209.	6300.	6183.	5878.	5752.	5782.	5435.	5123.	3634.	3109.	2949.	2558.
1964	65574.	6139.	6084.	6060.	6053.	5676.	5625.	5515.	5064.	3499.	3013.	2776.	2732.
1965	65729.	5811.	5832.	5821.	5788.	5821.	5413.	5307.	5138.	3434.	3034.	2790.	2608.
1966	65251.	5760.	5629.	5613.	5679.	5573.	5644.	5209.	5067.	3800.	3492.	3246.	3034.
1967	65013.	5743.	5417.	5595.	5586.	5592.	5547.	5278.	4931.	3625.	3220.	2823.	2666.
1968	64812.	4942.	5311.	5100.	5195.	5219.	5186.	5057.	4798.	3607.	3136.	2998.	2682.
1969	61013.	4556.	4559.	4938.	4760.	4850.	4815.	4734.	4603.	3601.	3066.	2871.	2838.
1970	57148.	4104.	4213.	4310.	4599.	4492.	4715.	4402.	4274.	3375.	3023.	2675.	2622.
1971	52806.	3770.	4093.	4196.	4281.	4545.	4415.	4356.	4112.	3114.	2937.	2707.	2460.
1972	51777.	3403.	3652.	3924.	4122.	4269.	4430.	4271.	4194.	3088.	2840.	2722.	2535.
1973	54875.	3348.	3322.	3639.	4020.	4059.	4363.	4324.	4085.	3225.	2735.	2580.	2464.
1974	57206.	3601.	3477.	3547.	3910.	4196.	4330.	4276.	4267.	3120.	2847.	2546.	2405.
1975	59534.	3792.	3815.	3654.	3697.	4181.	4351.	4298.	4248.	3464.	2914.	2752.	2432.
1976	60499.	4327.	4081.	4001.	4024.	4022.	4273.	4505.	4295.	3503.	3300.	2763.	2595.
1977	55304.	4313.	4328.	4224.	4120.	4163.	4238.	4325.	4369.	3523.	3296.	2968.	2450.
1978	48250.	4672.	4729.	4764.	4702.	4559.	4460.	4551.	4344.	3796.	3370.	3067.	2699.
1979	47636.	4993.	4686.	4885.	4984.	4855.	4712.	4590.	4401.	3769.	3492.	3149.	2792.
1980	50096.	5087.	4852.	4803.	5035.	5286.	4957.	4832.	4485.	4094.	3701.	3501.	2880.
1981	50821.	5531.	5101.	4957.	4962.	5294.	5198.	5068.	4630.	4045.	3638.	3338.	2932.

SURVIVAL OR GRADE SUCCESSION RATES

YEAR	BIRTH-1	FOR GRADE										
		1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
1960	0.09368											
1961	0.09698	1.02315	0.99516	0.99504	0.99912	1.00297	1.00172	0.98571	0.74529	0.86939	0.94001	0.92305
1962	0.09522	1.01871	0.98203	0.97754	0.96990	0.98248	0.97963	0.95864	0.71360	0.86136	0.91415	0.91632
1963	0.09410	1.01793	1.00471	0.99593	0.98628	0.99126	0.97843	0.96843	0.72247	0.86529	0.91984	0.93837
1964	0.09362	0.97987	0.96190	0.97897	0.96563	0.97792	0.95382	0.93174	0.68300	0.82911	0.89289	0.92642
1965	0.08841	0.94999	0.95677	0.95512	0.96167	0.95366	0.94347	0.93164	0.67812	0.86710	0.92599	0.93948
1966	0.08827	0.96868	0.96245	0.97561	0.96285	0.96959	0.96231	0.95478	0.73959	1.01689	1.06987	1.08745
1967	0.08834	0.94045	0.99396	0.99519	0.98468	0.99533	0.93515	0.94663	0.71541	0.84737	0.80842	0.82132
1968	0.07625	0.92478	0.94148	0.92851	0.93430	0.92740	0.91166	0.90906	0.73149	0.86510	0.93106	0.95005
1969	0.07467	0.92250	0.92977	0.93333	0.93359	0.92259	0.91284	0.91022	0.75052	0.85001	0.91550	0.94663
1970	0.07181	0.92471	0.94538	0.93135	0.94370	0.97216	0.91423	0.90283	0.73322	0.83949	0.87247	0.91327
1971	0.07139	0.99732	0.99596	0.99327	0.98826	0.98286	0.92386	0.93412	0.72859	0.87022	0.89547	0.91963
1972	0.06572	0.96870	0.95871	0.98236	0.99720	0.97470	0.96738	0.96281	0.75097	0.91201	0.92680	0.93646
1973	0.06101	0.97620	0.99644	1.02446	0.98472	1.02202	0.97607	0.95645	0.76896	0.88569	0.90845	0.90522
1974	0.06295	1.03853	1.06773	1.07447	1.04378	1.06676	0.98006	0.98682	0.76377	0.88279	0.93090	0.93217
1975	0.06369	1.05943	1.05091	1.04229	1.06931	1.03694	0.99261	0.99345	0.81181	0.93397	0.96663	0.95522
1976	0.07152	1.07621	1.04875	1.10126	1.08791	1.02200	1.03539	0.99930	0.82462	0.95266	0.94818	0.94295
1977	0.07799	1.00023	1.03504	1.02974	1.03454	1.05370	1.01217	0.96981	0.82026	0.94091	0.89939	0.88672
1978	0.09683	1.09645	1.10074	1.11316	1.10655	1.07134	1.07386	1.00439	0.86885	0.95657	0.93052	0.90937
1979	0.10482	1.00300	1.03299	1.04618	1.03254	1.03356	1.02915	0.96704	0.86763	0.91992	0.93442	0.91034
1980	0.10154	0.97176	1.02497	1.03071	1.06059	1.02101	1.02547	0.97712	0.93024	0.98196	1.00258	0.9458
1981	0.10883	1.00275	1.02164	1.03310	1.05144	0.98335	1.02239	0.95820	0.90190	0.88862	0.90192	0.83748

APPENDIX
TABLE 7

COHORT CHANGE, PUBLIC SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1971 - PRESENT

	1971 - 1972				1972 - 1973				1973 - 1974			
	1-7 (1971)	2-8 (1972)	CHANGE NUMBER PERCENT		1-7 (1972)	2-8 (1973)	CHANGE NUMBER PERCENT		1-7 (1973)	2-8 (1974)	CHANGE NUMBER PERCENT	
WASHINGTON	443,018	438,232	-4,786 -1.08		428,758	431,659	2,901 .68		421,388	422,314	926 .22	
ADAMS	2,055	2,032	-23 -1.12		1,988	1,935	-53 -2.67		1,914	1,895	-19 -.99	
ASOTIN	1,859	1,851	-8 -.43		1,822	1,823	1 .05		1,805	1,795	-10 -.55	
BENTON	10,109	10,211	102 1.01		10,011	10,041	30 .30		9,711	10,187	476 4.90	
CHELAN	5,211	5,150	-61 -1.17		4,964	4,953	-11 -.22		4,764	4,877	113 2.37	
CLALLAM	4,788	4,953	165 3.45		4,846	5,021	175 3.61		4,872	4,992	120 2.46	
CLARK	19,268	20,077	809 4.20		19,880	20,693	813 4.09		20,343	20,818	475 2.33	
COLUMBIA	475	507	32 6.74		486	493	7 1.44		491	487	-4 -.81	
COWLITZ	9,913	9,832	-81 -.82		9,597	9,666	69 .72		9,469	9,595	126 1.33	
DOUGLAS	2,529	2,528	-1 -.04		2,493	2,469	-24 -.96		2,414	2,505	91 3.77	
FERRY	589	599	10 1.70		587	608	21 3.58		592	626	34 5.74	
FRANKLIN	3,541	3,429	-112 -3.16		3,421	3,378	-43 -1.26		3,305	3,283	-22 -.67	
GARFIELD	421	438	17 4.04		402	379	-23 -5.72		352	347	-5 -1.42	
GRANT	6,571	6,394	-177 -2.69		6,240	6,160	-80 -1.28		5,903	6,720	817 13.84	
GRAYS HARBOR	8,165	8,076	-89 -1.09		7,989	8,049	60 .75		7,960	7,890	-70 -.88	
ISLAND	4,048	3,975	-73 -1.80		3,968	4,056	88 2.22		4,086	4,037	-49 -1.20	
JEFFERSON	1,335	1,334	-1 -.07		1,281	1,354	73 5.70		1,281	1,323	42 3.28	
KING	138,304	135,304	-3,000 -2.17		132,039	131,466	-573 -.43		128,095	126,938	-1,157 -.90	
KITSAP	13,168	13,117	-51 -.39		12,802	13,480	678 5.30		13,215	13,698	483 3.65	
KITTITAS	2,632	2,674	42 1.60		2,653	2,648	-5 -.19		2,558	2,524	-34 -1.33	
Klickitat	2,053	2,021	-32 -1.56		1,983	2,005	22 1.11		1,945	1,915	-30 -1.54	
LEWIS	6,337	6,412	75 1.18		6,204	6,270	66 1.06		6,149	6,293	144 2.34	
LINCOLN	1,336	1,351	15 1.12		1,320	1,270	-50 -3.79		1,224	1,281	57 4.66	
MASON	2,896	2,909	13 .45		2,855	2,931	76 2.66		2,878	2,935	57 1.98	
OKANOGAN	4,363	4,322	-41 -.94		4,150	4,213	63 1.52		4,118	3,412	-706 -17.14	
PACIFIC	1,960	1,939	-21 -1.07		1,899	1,967	68 3.58		1,893	1,896	3 .16	
PEND OREILLE	936	1,008	72 7.69		977	1,013	36 3.68		986	1,060	74 7.51	
PIERCE	52,202	50,472	-1,730 -3.31		49,567	50,217	650 1.31		49,317	49,190	-127 -.26	
SAN JUAN	422	455	33 7.82		434	491	57 13.13		471	490	19 4.03	
SKAGIT	6,882	6,954	72 1.05		6,745	6,736	-9 -.13		6,495	6,510	15 .23	
SKAMANIA	827	799	-28 -3.39		777	803	26 3.35		760	744	-16 -2.11	
SNOHOMISH	37,552	36,830	-722 -1.92		35,868	35,865	-3 -.01		34,666	34,549	-117 -.34	
SPOKANE	35,587	35,834	247 .69		35,138	35,114	-24 -.07		34,416	34,256	-160 -.46	
STEVENS	2,550	2,674	124 4.86		2,604	2,603	-1 -.04		2,553	2,702	149 5.84	
THURSTON	11,709	11,859	150 1.28		11,613	12,154	541 4.66		11,867	12,143	276 2.33	
WAKIACUM	380	389	9 2.37		390	380	-10 -2.56		373	364	-9 -2.41	
WALLA WALLA	4,580	4,555	-25 -.55		4,434	4,464	30 .68		4,351	4,342	-9 -.21	
WHATCOM	10,138	10,001	-137 -1.35		9,760	9,831	71 .73		9,631	9,668	37 .38	
WHITMAN	3,585	3,494	-91 -2.54		3,411	3,355	-56 -1.64		3,286	3,237	-49 -1.49	
YAKIMA	21,742	21,473	-269 -1.24		21,160	21,305	145 .69		20,879	20,790	-89 -.43	

APPENDIX
TABLE 7 (cont.)

COHORT CHANGE, PUBLIC SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1971 - PRESENT (CONT)

	1974 - 1975				1975 - 1976				1976 - 1977			
	1-7 (1974)	2-8 (1975)	CHANGE NUMBER PERCENT		1-7 (1975)	2-8 (1976)	CHANGE NUMBER PERCENT		1-7 (1976)	2-8 (1977)	CHANGE NUMBER PERCENT	
WASHINGTON	411,122	413,575	2,453 .60		405,900	406,655	755 .19		402,322	406,978	4,656 1.16	
ADAMS	1,855	1,933	78 4.20		1,934	1,934	.00		1,893	1,947	54 2.85	
ASOTIN	1,739	1,745	6 .35		1,768	1,763	-5 -.28		1,758	1,776	18 1.02	
BENTON	9,835	10,407	572 5.82		10,172	10,765	593 5.83		10,621	11,291	670 6.31	
CHELAN	4,692	4,762	70 1.49		4,537	4,747	210 4.63		4,638	4,536	-102 -2.20	
CLALLAM	4,713	4,822	109 2.31		4,698	4,681	-17 -.36		4,613	4,760	147 3.19	
CLARK	20,387	20,655	268 1.31		20,444	21,130	686 3.36		21,018	21,657	639 3.04	
COLUMBIA	468	481	13 2.78		467	476	9 1.93		466	441	-25 -5.36	
COWLITZ	9,291	9,383	92 .99		9,228	9,221	-7 -.08		9,147	9,165	18 .20	
DOUGLAS	2,415	2,418	3 .12		2,377	2,468	91 3.83		2,412	2,431	19 .79	
FERRY	611	608	-3 -.49		612	646	34 5.56		644	639	-5 -.78	
FRANKLIN	3,271	3,416	145 4.43		3,473	3,433	-40 -1.15		3,556	3,469	-87 -2.45	
GARFIELD	323	337	14 4.33		311	319	8 2.57		312	308	-4 -1.28	
GRANT	6,516	6,617	101 1.55		6,447	6,576	129 2.00		6,536	6,377	-159 -2.43	
GRAYS HARBOR	7,735	7,696	-39 -.50		7,597	7,481	-116 -1.53		7,513	7,561	48 .64	
ISLAND	3,986	3,937	-49 -1.23		4,001	3,960	-41 -1.02		4,008	3,957	-51 -1.27	
JEFFERSON	1,269	1,312	43 3.39		1,268	1,292	24 1.89		1,265	1,370	105 8.30	
KING	123,309	122,517	-792 -.64		119,469	117,958	-1,511 -1.26		115,955	116,084	129 .11	
KITSAP	13,466	13,654	188 1.40		13,451	13,613	162 1.20		13,508	14,397	889 6.58	
KITTITAS	2,426	2,463	37 1.53		2,385	2,398	13 .55		2,368	2,369	1 .04	
Klickitat	1,875	1,866	-9 -.48		1,823	1,797	-26 -1.43		1,782	1,825	43 2.41	
LEWIS	6,129	6,160	31 .51		6,026	6,056	30 .50		5,986	6,077	91 1.52	
LINCOLN	1,253	1,237	-16 -1.28		1,195	1,246	51 4.27		1,234	1,185	-49 -3.97	
MASON	2,893	2,995	102 3.53		2,965	2,963	-2 -.07		2,933	3,082	149 5.08	
OKANOGAN	3,312	3,425	113 3.41		3,378	3,417	39 1.15		3,396	3,355	-41 -1.21	
PACIFIC	1,843	1,836	-7 -.38		1,785	1,844	59 3.31		1,820	1,823	3 .16	
PEND OREILLE	1,013	1,035	22 2.17		1,001	1,033	32 3.20		1,008	1,033	25 2.48	
PIERCE	48,153	48,332	179 .37		47,460	47,276	-184 -.39		46,878	47,310	432 .92	
SAN JUAN	472	458	-14 -2.97		463	496	33 7.13		496	576	80 16.13	
SKAGIT	6,368	6,462	94 1.48		6,362	6,399	37 .58		6,344	6,332	-12 -.19	
SKAMANIA	702	659	-43 -6.13		632	674	42 6.65		655	634	-21 -3.21	
SNOHOMISH	33,554	33,864	310 .92		33,221	33,000	-221 -.67		32,697	33,383	686 2.10	
SPOKANE	33,306	33,463	157 .47		33,208	33,456	248 .75		33,203	33,395	192 .58	
STEVENS	2,641	2,657	16 .61		2,606	2,665	59 2.26		2,631	2,786	155 5.89	
THURSTON	11,723	12,103	380 3.24		11,962	12,359	397 3.32		12,257	12,959	702 5.73	
Wahkiakum	361	355	-6 -1.66		342	342	.00		349	358	9 2.58	
WALLA WALLA	4,190	4,168	-22 -.53		4,098	4,091	-7 -.17		4,060	4,038	-22 -.54	
WHATCOM	9,557	9,725	168 1.76		9,598	9,681	83 .86		9,707	9,810	103 1.06	
WHITMAN	3,100	3,105	5 .16		3,053	2,956	-97 -3.18		2,940	2,857	-83 -2.82	
YAKIMA	20,370	20,507	137 .67		20,083	20,043	-40 -.20		19,715	19,625	-90 -.46	

APPENDIX
TABLE 7 (cont.)

COHORT CHANGE, PUBLIC SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1971 - PRESENT (CONT)

	-----1977 - 1978-----				-----1978 - 1979-----				-----1979 - 1980-----			
	1-7 (1977)	2-8 (1978)	CHANGE NUMBER	PERCENT	1-7 (1978)	2-8 (1979)	CHANGE NUMBER	PERCENT	1-7 (1979)	2-8 (1980)	CHANGE NUMBER	PERCENT
WASHINGTON	403,277	408,789	5,512	1.37	402,935	409,947	7,012	1.74	405,705	408,541	2,836	.70
ADAMS	1,921	1,880	-41	-2.13	1,878	1,806	-72	-3.83	1,808	1,756	-52	-2.88
ASOTIN	1,824	1,815	-9	-.49	1,782	1,768	-14	-.79	1,774	1,752	-22	-1.24
BENTON	11,256	11,930	674	5.99	11,957	12,379	422	3.53	12,459	12,195	-264	-2.12
CHelan	4,415	4,538	123	2.79	4,410	4,388	-22	-.50	4,295	4,483	188	4.38
CLALLAM	4,792	4,969	177	3.69	4,964	5,063	99	1.99	5,049	5,029	-20	-.40
CLARK	21,636	22,439	803	3.71	22,217	22,937	720	3.24	22,646	22,815	169	.75
COLUMBIA	419	409	-10	-2.39	405	409	4	.99	409	412	3	.73
COWLITZ	9,258	9,171	-87	-.94	9,146	9,120	-26	-.28	9,020	8,838	-182	-2.02
DOUGLAS	2,395	2,363	-32	-1.34	2,332	2,365	33	1.42	2,342	2,307	-35	-1.49
FERRY	666	704	38	5.71	721	698	-23	-3.19	705	688	-17	-2.41
FRANKLIN	3,588	3,621	33	.92	3,786	3,760	-26	-.69	3,965	3,730	-235	-5.93
GARFIELD	306	277	-29	-9.48	263	254	-9	-3.42	248	234	-14	-5.65
GRANT	6,274	6,251	-23	-.37	6,229	6,092	-137	-2.20	6,082	6,017	-65	-1.07
GRAYS HARBOR	7,590	7,652	62	.82	7,461	7,495	34	.46	7,436	7,338	-98	-1.32
ISLAND	4,055	4,055	.00	.00	4,123	3,998	-125	-3.03	4,089	4,008	-81	-1.98
JEFFERSON	1,347	1,431	84	6.24	1,408	1,465	57	4.05	1,481	1,531	50	3.38
KING	113,642	113,613	-29	-.03	110,450	111,822	1,372	1.24	109,316	110,597	1,281	1.17
KITSAP	14,340	14,890	550	3.84	14,730	15,429	699	4.75	15,428	15,911	483	3.13
KITTITAS	2,333	2,327	-6	-.26	2,295	2,241	-54	-2.35	2,192	2,173	-19	-.87
Klickitat	1,828	1,871	43	2.35	1,870	1,972	102	5.45	1,942	2,025	83	4.27
LEWIS	6,110	6,221	111	1.82	6,195	6,323	128	2.07	6,272	6,333	61	.97
LINCOLN	1,161	1,220	59	5.08	1,212	1,228	16	1.32	1,208	1,184	-24	-1.99
MASON	3,048	3,183	135	4.43	3,151	3,244	93	2.95	3,198	3,299	111	3.48
OKANOGAN	3,388	3,457	69	2.04	3,470	3,550	80	2.31	3,516	3,481	-35	-1.00
PACIFIC	1,803	1,773	-30	-1.66	1,744	1,732	-12	-.69	1,683	1,747	64	3.80
PEND OREILLE	1,019	1,040	21	2.06	1,015	1,063	48	4.73	1,046	1,065	19	1.82
PIERCE	47,102	47,696	594	1.26	47,146	48,160	1,014	2.15	47,825	48,045	220	.46
SAN JUAN	565	635	70	12.39	634	655	21	3.31	653	673	20	3.06
SKAGIT	6,388	6,462	74	1.16	6,518	6,580	62	.95	6,577	6,640	63	.96
SKAMANIA	645	657	12	1.86	669	686	17	2.54	691	691		.00
SNOHOMISH	32,976	33,949	973	2.95	33,130	34,204	1,074	3.24	33,627	34,534	907	2.70
SPOKANE	33,358	33,734	376	1.13	33,618	33,873	255	.76	33,843	33,803	-40	-.12
STEVENS	2,793	2,947	154	5.51	2,975	3,196	221	7.43	3,251	3,242	-9	-.28
THURSTON	12,609	13,235	626	4.96	13,011	13,781	770	5.92	13,573	14,139	566	4.17
WAHkiakum	367	337	-30	-8.17	339	332	-7	-2.06	328	314	-14	-4.27
WALLA WALLA	3,988	3,988	.00	.00	3,988	3,936	-52	-1.30	3,937	3,914	-23	-.58
WHATCOM	9,753	9,951	198	2.03	9,893	10,006	113	1.14	9,901	9,861	-40	-.40
WHITMAN	2,810	2,733	-77	-2.74	2,693	2,705	12	.45	2,723	2,702	-21	-.77
YAKIMA	19,509	19,365	-144	-.74	19,107	19,232	125	.65	19,177	19,035	-142	-.74

APPENDIX
TABLE 7 (cont.)

COHORT CHANGE, PUBLIC SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1971 - PRESENT (CONT)

	-----1980 - 1981-----				-----1981 - 1982-----			
	1-7	2-8	CHANGE		1-7	2-8	CHANGE	
	(1980)	(1981)	NUMBER	PERCENT	(1981)	(1982)	NUMBER	PERCENT
WASHINGTON	404,916	405,291	375	.09	401,199	396,081	-5,118	-1.28
ADAMS	1,741	1,740	-1	-.06	1,783	1,740	-43	-2.41
ASOTIN	1,764	1,744	-20	-1.13	1,712	1,682	-30	-1.75
BENTON	12,222	12,655	433	3.54	12,944	12,069	-875	-6.76
CHELAN	4,337	4,341	4	.09	4,257	4,371	114	2.68
CLALLAM	4,991	4,887	-104	-2.08	4,889	4,683	-206	-4.21
CLARK	22,498	22,948	450	2.00	22,709	22,599	-110	-.48
COLUMBIA	390	371	-19	-4.87	376	394	18	4.79
COWLITZ	8,824	8,776	-48	-.54	8,751	8,564	-187	-2.14
DOUGLAS	2,296	2,322	26	1.13	2,322	2,248	-74	-3.19
FERRY	723	687	-36	-4.98	703	690	-13	-1.85
FRANKLIN	3,975	3,916	-59	-1.48	4,159	3,899	-260	-6.25
GARFIELD	228	235	7	3.07	247	254	7	2.83
GRANT	6,066	5,971	-95	-1.57	5,931	6,079	148	2.50
GRAYS HARBOR	7,276	7,115	-161	-2.21	7,035	6,791	-244	-3.47
ISLAND	4,160	3,946	-214	-5.14	4,041	3,915	-126	-3.12
JEFFERSON	1,510	1,491	-19	-1.26	1,460	1,379	-81	-5.55
KING	107,746	108,076	330	.31	104,658	103,963	-695	-.66
KITSAP	15,975	15,997	22	.14	15,969	16,199	230	1.44
KITTITAS	2,139	2,120	-19	-.89	2,105	2,057	-48	-2.28
Klickitat	2,051	1,987	-64	-3.12	2,004	1,934	-70	-3.49
LEWIS	6,269	6,331	62	.99	6,207	6,142	-65	-1.05
LINCOLN	1,162	1,157	-5	-.43	1,135	1,122	-13	-1.15
MASON	3,202	3,198	-4	-.12	3,275	3,205	-70	-2.14
OKANOGAN	3,477	3,485	8	.23	3,510	3,437	-73	-2.08
PACIFIC	1,746	1,740	-6	-.34	1,725	1,719	-6	-.35
PEND OREILLE	1,060	1,070	10	.94	1,056	1,062	6	.57
PIERCE	47,805	47,863	58	.12	48,054	47,089	-965	-2.01
SAN JUAN	665	673	8	1.20	663	668	5	.75
SKAGIT	6,686	6,661	-25	-.37	6,689	6,633	-56	-.84
SKAMANIA	697	632	-65	-9.33	675	670	-5	-.74
SNOHOMISH	34,081	34,348	267	.78	33,585	33,580	-5	-.01
SPOKANE	33,994	33,662	-332	-.98	33,516	32,825	-691	-2.06
STEVENS	3,291	3,208	-83	-2.52	3,239	3,164	-75	-2.32
THURSTON	13,944	14,336	392	2.81	14,115	14,020	-95	-.67
WAHKIAKUM	309	315	6	1.94	326	325	-1	-.31
WALLA WALLA	3,892	3,921	29	.75	3,883	3,840	-43	-1.11
WHATCOM	9,887	9,917	30	.30	9,863	9,877	14	.14
WHITMAN	2,654	2,601	-53	-2.00	2,643	2,559	-84	-3.18
YAKIMA	19,183	18,848	-335	-1.75	18,985	18,634	-351	-1.85

OFM/F&E/P-213
12/82

APPENDIX
TABLE 8

COHORT CHANGE, PRIVATE SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1970 - PRESENT

	-----1970 - 1971-----				-----1971 - 1972-----				-----1972 - 1973-----			
	1-7 (1970)	2-8 (1971)	CHANGE NUMBER PERCENT		1-7 (1971)	2-8 (1972)	CHANGE NUMBER PERCENT		1-7 (1972)	2-8 (1973)	CHANGE NUMBER PERCENT	
WASHINGTON	30,835	29,998	-837 -2.71		29,656	28,862	-794 -2.68		28,071	27,812	-259 -.92	
ADAMS			.00				.00				.00	
ASOTIN	205	205	.00		208	193	-15 -7.21		192	194	2 1.04	
BENTON	709	720	11 1.55		715	650	-65 -9.09		635	622	-13 -2.05	
CHELAN	263	206	-57 -21.67		229	193	-36 -15.72		220	242	22 10.00	
CLALLAM	184	189	5 2.72		191	180	-11 -5.76		185	206	21 11.35	
CLARK	908	901	-7 -.77		926	860	-66 -7.13		874	885	11 1.26	
COLUMBIA			.00				.00				.00	
COWLITZ	300	267	-33 -11.00		266	246	-20 -7.52		254	213	-41 -16.14	
DOUGLAS			.00				.00				.00	
FERRY			.00				.00				.00	
FRANKLIN	311	342	31 9.97		334	349	15 4.49		338	339	1 .30	
GARFIELD			.00				.00				.00	
GRANT	110	91	-19 -17.27		98	81	-17 -17.35		90	108	18 20.00	
GRAYS HARBOR	301	197	-104 -34.55		191	196	5 2.62		191	179	-12 -6.28	
ISLAND	40	42	2 5.00		41	44	3 7.32		43	41	-2 -4.65	
JEFFERSON	8		-8 -100.00			8	8 100.00		8	10	2 25.00	
KING	13,298	12,994	-304 -2.29		12,755	12,361	-394 -3.09		11,927	12,079	152 1.27	
KITSAP	255	248	-7 -2.75		252	271	19 7.54		260	282	22 8.46	
KITTITAS	84	68	-16 -19.05		86		-86 -100.00				.00	
Klickitat			.00				.00				.00	
LEWIS	195	177	-18 -9.23		163	192	29 17.79		195	170	-25 -12.82	
LINCOLN	15	16	1 6.67		15	23	8 53.33		23	8	-15 -65.22	
MASON	16	14	-2 -12.50		17	15	-2 -11.76		18	24	6 33.33	
OKANOGAN	260	258	-2 -.77		249	250	1 .40		237	185	-52 -21.94	
PACIFIC			.00				.00			2	2 100.00	
Pend Oreille			.00				.00				.00	
PIERCE	3,585	3,390	-195 -5.44		3,350	3,366	16 .48		3,253	3,196	-57 -1.75	
SAN JUAN			.00			4	4 100.00		3		-3 -100.00	
SKAGIT	362	343	-19 -5.25		341	282	-59 -17.30		276	288	12 4.35	
SKAMANIA			.00				.00				.00	
SNOHOMISH	2,170	2,016	-154 -7.10		2,143	2,056	-87 -4.06		2,085	1,949	-136 -6.52	
SPOKANE	4,318	4,525	207 4.79		4,335	4,205	-130 -3.00		4,016	3,888	-128 -3.19	
STEVENS			.00				.00				.00	
THURSTON	246	274	28 11.38		264	276	12 4.55		268	257	-11 -4.10	
Wahkiakum			.00				.00				.00	
WALLA WALLA	305	374	69 22.62		363	417	54 14.88		382	403	21 5.50	
WHATCOM	982	964	-18 -1.83		943	945	2 .21		922	846	-76 -8.24	
WHITMAN	162	166	4 2.47		163	164	1 .61		159	154	-5 -3.14	
YAKIMA	1,243	1,011	-232 -18.66		1,018	1,035	17 1.67		1,017	1,042	25 2.46	

APPENDIX
TABLE 8 (cont.)

COHORT CHANGE, PRIVATE SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1970 - PRESENT (CONT)

	-----1973 - 1974-----				-----1974 - 1975-----				-----1975 - 1976-----			
	1-7 (1973)	2-8 (1974)	CHANGE NUMBER PERCENT		1-7 (1974)	2-8 (1975)	CHANGE NUMBER PERCENT		1-7 (1975)	2-8 (1976)	CHANGE NUMBER PERCENT	
WASHINGTON	27,075	28,003	928 3.43		27,337	28,244	907 3.32		27,788	29,201	1,413 5.08	
ADAMS				.00				.00				.00
ASOTIN	189	188	-1 -.53		179	147	-32 -17.88		145	142	-3 -2.07	
BENTON	619	669	50 8.08		692	682	-10 -1.45		651	664	13 2.00	
CHELAN	263	250	-13 -4.94		266	179	-87 -32.71		204	196	-8 -3.92	
CLALLAM	212	212	.00		226	252	26 11.50		266	308	42 15.79	
CLARK	930	931	1 .11		951	978	27 2.84		1,041	1,113	72 6.92	
COLUMBIA				.00				.00				.00
COWLITZ	247	222	-25 -10.12		265	161	-104 -39.25		199	169	-30 -15.08	
DOUGLAS				.00		79	79 100.00		89	46	-43 -48.31	
FERRY				.00				.00				.00
FRANKLIN	327	344	17 5.20		316	327	11 3.48		325	329	4 1.23	
GARFIELD				.00				.00		5	5 100.00	
GRANT	117	91	-26 -22.22		101	163	62 61.39		173	210	37 21.39	
GRAYS HARBOR	185	162	-23 -12.43		151	175	24 15.89		168	185	17 10.12	
ISLAND	37	39	2 5.41		35	45	10 28.57		52	85	33 63.46	
JEFFERSON	9	10	1 11.11		12	12	.00		11	24	13 118.18	
KING	11,534	12,072	538 4.66		11,594	12,192	598 5.16		11,884	12,624	740 6.23	
KITSAP	279	318	39 13.98		323	399	76 23.53		401	496	95 23.69	
KITTITAS				.00				.00		7	7 100.00	
Klickitat				.00		34	34 100.00		26	51	25 96.15	
LEWIS	172	161	-11 -6.40		164	191	27 16.46		190	227	37 19.47	
LINCOLN	10	6	-4 -40.00		7	10	3 42.86		8	5	-3 -37.50	
MASON	21	36	15 71.43		35	28	-7 -20.00		26	60	34 130.77	
OKANOGAN	168	194	26 15.48		182	167	-15 -8.24		155	169	14 9.03	
PACIFIC	6	8	2 33.33		9	10	1 11.11		10	11	1 10.00	
PEND OREILLE				.00				.00				.00
PIERCE	3,107	3,228	121 3.89		3,163	3,194	31 .98		3,095	3,177	82 2.65	
SAN JUAN				.00				.00				.00
SKAGIT	283	342	59 20.85		343	352	9 2.62		356	327	-29 -8.15	
SKAMANIA				.00				.00				.00
SNOHOMISH	1,950	2,004	54 2.77		2,080	2,065	-15 -.72		2,095	2,112	17 .81	
SPOKANE	3,776	3,661	-115 -3.05		3,432	3,446	14 .41		3,283	3,333	50 1.52	
STEVENS		63	63 100.00		64	84	20 31.25		80	128	48 60.00	
THURSTON	251	281	30 11.95		300	367	67 22.33		382	431	49 12.83	
WAHIAKUM				.00				.00				.00
WALLA WALLA	379	437	58 15.30		423	436	13 3.07		423	467	44 10.40	
WHATCOM	838	895	57 6.80		863	860	-3 -.35		850	877	27 3.18	
WHITMAN	154	152	-2 -1.30		139	138	-1 -.72		133	134	1 .75	
YAKIMA	1,012	1,027	15 1.48		1,022	1,071	49 4.79		1,067	1,089	22 2.06	

OFM/F&E/P-213
12/82

APPENDIX
TABLE 8 (cont.)

COHORT CHANGE, PRIVATE SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1970 - PRESENT (CONT)

	1976 - 1977				1977 - 1978				1978 - 1979			
	1-7 (1976)	2-8 (1977)	CHANGE NUMBER	PERCENT	1-7 (1977)	2-8 (1978)	CHANGE NUMBER	PERCENT	1-7 (1978)	2-8 (1979)	CHANGE NUMBER	PERCENT
WASHINGTON	29,233	29,767	534	1.83	29,711	32,109	2,398	8.07	32,437	33,113	676	2.08
ADAMS		12	12	100.00	11	7	-4	-36.36	7	16	9	128.57
ASOTIN	126	128	2	1.59	126	126		.00	120	117	-3	-2.50
BENTON	658	628	-30	-4.56	611	601	-10	-1.64	626	603	-23	-3.67
CHELAN	224	283	59	26.34	312	314	2	.64	365	319	-46	-12.60
CLALLAM	316	286	-30	-9.49	295	300	5	1.69	311	359	48	15.43
CLARK	1,163	1,154	-9	-.77	1,164	1,172	8	.69	1,220	1,232	12	.98
COLUMBIA				.00				.00				.00
COWLITZ	218	172	-46	-21.10	238	327	89	37.39	381	420	39	10.24
DOUGLAS	41	25	-16	-39.02	17	28	11	64.71	25		-25	-100.00
FERRY				.00		7	7	100.00	6	10	4	66.67
FRANKLIN	330	311	-19	-5.76	328	400	72	21.95	389	411	22	5.66
GARFIELD	6	4	-2	-33.33	4		-4	-100.00		3	3	100.00
GRANT	246	209	-37	-15.04	227	245	18	7.93	254	248	-6	-2.36
GRAYS HARBOR	193	209	16	8.29	213	240	27	12.68	230	249	19	8.26
ISLAND	98	84	-14	-14.29	98	87	-11	-11.22	107	139	32	29.91
JEFFERSON	25	9	-16	-64.00	11	10	-1	-9.09	13	17	4	30.77
KING	12,498	12,893	395	3.16	12,677	13,835	1,158	9.13	13,836	13,811	-25	-.18
KITSAP	518	596	78	15.06	617	703	86	13.94	725	776	51	7.03
KITTITAS	6	24	18	300.00	21	24	3	14.29	21	13	-8	-38.10
Klickitat	51	33	-18	-35.29	37	46	9	24.32	50	54	4	8.00
LEWIS	237	271	34	14.35	270	324	54	20.00	323	332	9	2.79
LINCOLN	5	5		.00	6	6		.00	5	5		.00
MASON	54	52	-2	-3.70	48	69	21	43.75	58	49	-9	-15.52
OKANOGAN	155	195	40	25.81	176	175	-1	-.57	170	234	64	37.65
PACIFIC	15	20	5	33.33	19	18	-1	-5.26	22	22		.00
PEND OREILLE				.00		14	14	100.00	13	14	1	7.69
PIERCE	3,155	3,160	5	.16	3,119	3,475	356	11.41	3,527	3,529	-8	-.23
SAN JUAN				.00				.00		2	2	100.00
SKAGIT	338	345	7	2.07	337	371	34	10.09	386	435	49	12.69
SKAMANIA				.00				.00				.00
SNOHOMISH	2,199	2,214	15	.68	2,331	2,566	235	10.08	2,660	2,618	-42	-1.58
SPOKANE	3,233	3,250	17	.53	3,133	3,295	162	5.17	3,212	3,449	237	7.38
STEVENS	130	137	7	5.38	138	130	-8	-5.80	128	200	72	56.25
THURSTON	482	531	49	10.17	606	576	-30	-4.95	624	561	-63	-10.10
Wahkiakum				.00				.00				.00
WALLA WALLA	442	453	11	2.49	419	478	59	14.08	475	558	83	17.47
WHATCOM	861	858	-3	-.35	851	854	3	.35	846	935	89	10.52
WHITMAN	121	125	4	3.31	126	128	2	1.59	121	131	10	8.26
YAKIMA	1,089	1,091	2	.18	1,125	1,158	33	2.93	1,171	1,242	71	6.06

APPENDIX
TABLE 8 (cont.)

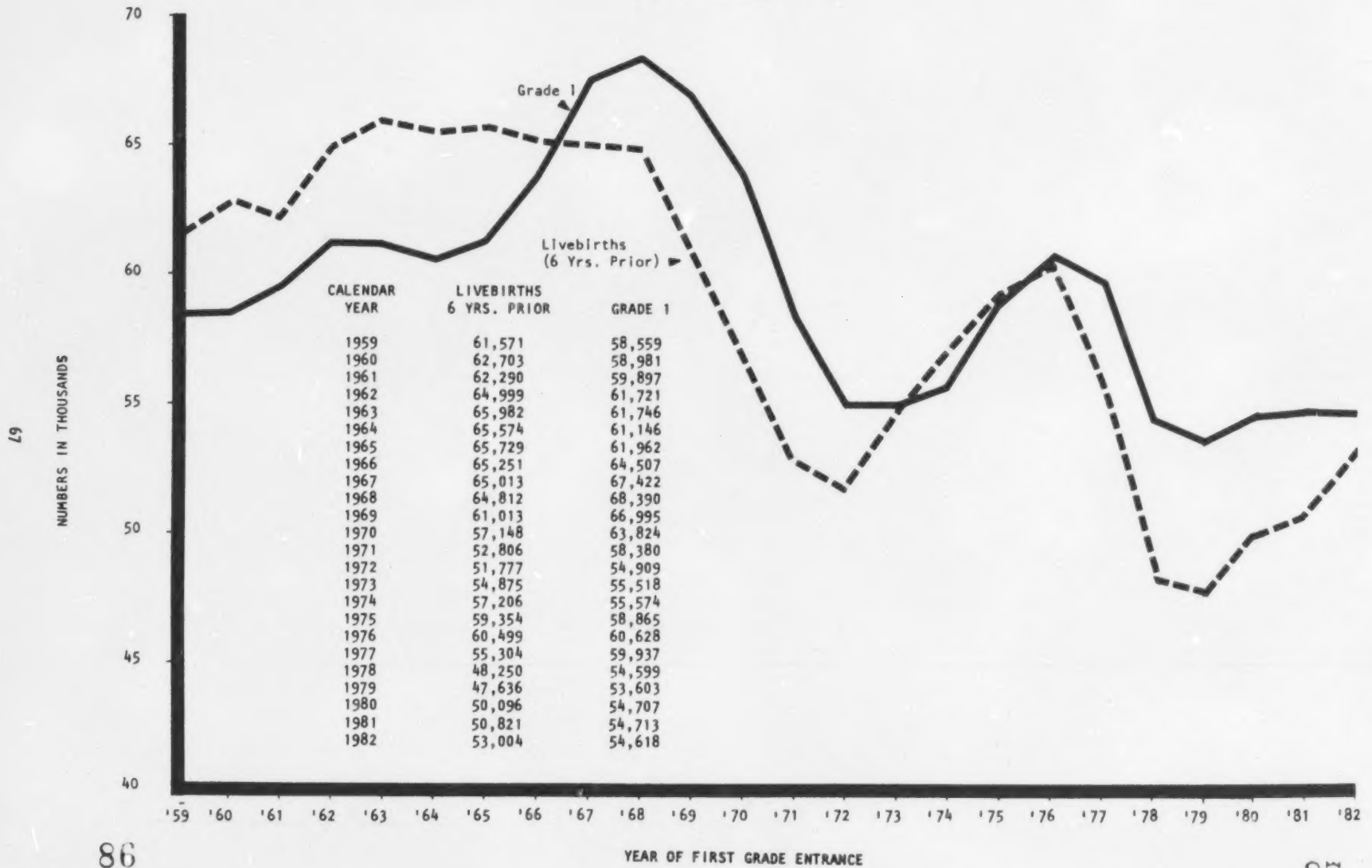
COHORT CHANGE, PRIVATE SCHOOLS, GRADES 1-7 TO 2-8
BY COUNTY, STATE OF WASHINGTON, 1970 - PRESENT (CONT)

	-----1979 - 1980-----				-----1980 - 1981-----			
	1-7 (1979)	2-8 (1980)	CHANGE NUMBER	PERCENT	1-7 (1980)	2-8 (1981)	CHANGE NUMBER	PERCENT
WASHINGTON	33,705	34,250	545	1.62	34,852	35,210	358	1.03
ADAMS	14	12	-2	-14.29	10	9	-1	-10.00
ASOTIN	127	120	-7	-5.51	126	160	34	26.98
BENTON	618	651	33	5.34	680	586	-94	-13.82
CHELAN	376	234	-142	-37.77	284	254	-30	-10.56
CLALLAM	382	366	-16	-4.19	387	283	-104	-26.87
CLARK	1,276	1,055	-221	-17.32	1,116	1,133	17	1.52
COLUMBIA				.00				.00
COWLITZ	479	535	56	11.69	581	532	-49	-8.43
DOUGLAS		5	5	100.00	4		-4	-100.00
FERRY	11	11		.00	12	21	9	75.00
FRANKLIN	411	487	76	18.49	424	368	-56	-13.21
GARFIELD	3		-3	-100.00				.00
GRANT	270	229	-41	-15.19	257	268	11	4.28
GRAYS HARBOR	260	285	25	9.62	295	250	-45	-15.25
ISLAND	160	133	-27	-16.88	143	167	24	16.78
JEFFERSON	19	79	60	315.79	88	98	10	11.36
KING	13,879	14,489	610	4.40	14,560	14,843	283	1.94
KITSAP	811	1,036	225	27.74	1,074	852	-222	-20.67
KITTITAS	17	29	12	70.59	27	18	-9	-33.33
Klickitat	56	34	-22	-39.29	30	19	-11	-36.67
LEWIS	351	241	-110	-31.34	241	228	-13	-5.39
LINCOLN	5	22	17	340.00	26	16	-10	-38.46
MASON	49	51	2	4.08	46	49	3	6.52
OKANOGAN	223	257	34	15.25	249	329	80	32.13
PACIFIC	22	22		.00	22	23	1	4.55
PEND OREILLE	13	24	11	84.62	24	12	-12	-50.00
PIERCE	3,563	3,720	157	4.41	3,833	3,955	122	3.18
SAN JUAN	1	9	8	800.00	11	29	18	163.64
SKAGIT	460	274	-186	-40.43	308	444	136	44.16
SKAMANIA		11	11	100.00	13	2	-11	-84.62
SNOHOMISH	2,747	2,873	126	4.59	2,963	2,976	13	.44
SPOKANE	3,397	3,573	176	5.18	3,478	3,564	86	2.47
STEVENS	192	59	-133	-69.27	63	52	-11	-17.46
THURSTON	620	478	-142	-22.90	493	675	182	36.92
Wahkiakum				.00				.00
WALLA WALLA	562	600	38	6.76	662	644	-18	-2.72
WHATCOM	941	1,031	90	9.56	1,029	994	-35	-3.40
WHITMAN	120	126	6	5.00	122	108	-14	-11.48
YAKIMA	1,270	1,089	-181	-14.25	1,171	1,249	78	6.66

OFM/F&E/P-213
12/82

APPENDIX
FIGURE 1

COMPARISON OF LIVEBIRTHS (6 YEARS PRIOR)
TO ENTRANCES TO FIRST GRADE
STATE OF WASHINGTON
1959 TO PRESENT



APPENDIX
TABLE 9

COMPARISON OF HIGH SCHOOL GRADUATES
TO HIGH SCHOOL SENIORS
SCHOOL YEARS 1964-65 to 1990-91

SCHOOL YEAR Fall-Spring	SENIORS PREVIOUS FALL			GRADUATES			RATIO OF GRADUATES/SENIORS		
	Total	Public	Private	Total	Public	Private ¹	Total	Public	Private
1964-1965	52,940	50,208	2,732	50,278	47,651	2,627	.9497	.9491	.9616
1965-1966	51,376	48,768	2,608	48,198	45,636	2,562	.9381	.9358	.9824
1966-1967	51,831	48,797	3,034	48,674	45,949	2,725	.9391	.9416	.8982
1967-1968	52,544	49,803	2,741	49,221	46,490	2,731	.9368	.9335	.9964
1968-1969	54,193	51,511	2,682	50,655	48,001	2,654	.9347	.9319	.9894
1969-1970	56,886	54,048	2,838	53,212	50,425	2,787	.9354	.9330	.9820
1970-1971	58,082	55,460	2,622	53,459	50,902	2,557	.9204	.9178	.9753
1971-1972	58,843	56,383	2,460	53,954	51,563	2,391	.9169	.9145	.9720
1972-1973	58,422	55,887	2,535	53,446	50,988	2,458	.9148	.9123	.9698
1973-1974	59,395	56,931	2,464	54,255	51,868	2,387	.9135	.9111	.9686
1974-1975	59,311	56,906	2,405	53,283	50,990	2,293	.8984	.8960	.9535
1975-1976	60,037	57,605	2,432	53,305	51,012	2,293	.8879	.8855	.9430
1976-1977	60,952	58,357	2,595	53,297	50,885	2,412	.8744	.8720	.9295
1977-1978	61,855	59,405	2,450	53,349	51,101	2,248	.8625	.8602	.9177
1978-1979	63,361	60,662	2,699	53,537	51,108	2,429	.8450	.8425	.9000
1979-1980	62,881	60,089	2,792	52,904	50,402	2,502	.8413	.8388	.8963
1980-1981	62,449	59,569	2,880	52,392	49,818 ¹	2,574	.8390	.8363	.8938
1981-1982	62,275	59,343	2,932	51,938	49,332 ¹	2,606	.8340	.8313	.8888
----- PROJECTED -----									
1982-1983	59,146	56,346 ²	2,800	49,182	46,700	2,482	.8315	.8288	.8863
1983-1984	56,700	54,000	2,700	47,006	44,620	2,386	.8290	.8263	.8838
1984-1985	56,900	54,200	2,700	47,171	44,785	2,386	.8290	.8263	.8838
1985-1986	58,400	55,600	2,800	48,417	45,942	2,475	.8291	.8263	.8838
1986-1987	60,900	58,000	2,900	50,488	47,925	2,563	.8290	.8263	.8838
1987-1988	62,600	59,600	3,000	51,898	49,247	2,651	.8290	.8263	.8838
1988-1989	60,900	58,000	2,900	50,488	47,925	2,563	.8290	.8263	.8838
1989-1990	55,000	52,200	2,800	45,608	43,133	2,475	.8292	.8263	.8838
1990-1991	52,100	49,400	2,700	43,205	40,819	2,386	.8293	.8263	.8838

¹Data on private high schools are not available from the Superintendent of Public Instruction after 1969. The existing data are poor because of large discrepancies between the number of schools reporting fall 12th grade enrollment and those reporting spring graduates. In the 1965-66 school year, the most comparable number of schools reported fall seniors and spring graduates. The number of graduates and the ratio of graduates to seniors was estimated beginning in 1968-69.

²October enrollment report, subject to correction.

³Estimate, data not available

NOTE: Calculations in detail may not add due to rounding.

OFM/F&E/P-213
12/82